## The 17-residue transmembrane domain of beta-galactos sufficient for Golgi retention

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**Citation Report** 

#	Article	IF	CITATIONS
1	The single transmembrane segment of gp210 is sufficient for sorting to the pore membrane domain of the nuclear envelope Journal of Cell Biology, 1992, 119, 1441-1449.	2.3	119
2	Mutation of a tyrosine localization signal in the cytosolic tail of yeast Kex2 protease disrupts Golgi retention and results in default transport to the vacuole Molecular Biology of the Cell, 1992, 3, 1353-1371.	0.9	224
3	Enzymes associated with glycosylation. Current Opinion in Structural Biology, 1992, 2, 701-709.	2.6	61
4	Human Golgi β-galactoside α-2,6-sialyltransferase generates a group of sialylated B lymphocyte differentiation antigens. European Journal of Immunology, 1992, 22, 2777-2781.	1.6	32
5	Protein trafficking along the exocytotic pathway. BioEssays, 1993, 15, 231-238.	1.2	52
6	Identification and localization of G-proteins in the clonal adipocyte cell lines HGFu and Ob17. Journal of Cellular Biochemistry, 1993, 52, 463-475.	1.2	8
7	The molecular and cell biology of glycosyltransferases. BBA - Biomembranes, 1993, 1154, 283-325.	7.9	189
8	TGN38/41: a molecule on the move. Trends in Cell Biology, 1993, 3, 252-255.	3.6	52
9	Kin recognition. FEBS Letters, 1993, 330, 1-4.	1.3	212
10	Target sizes of galactosyltransferase, sialyltransferase, and uridine diphosphatase in Golgi apparatus of rat liver. Biochemistry, 1993, 32, 2076-2081.	1.2	22
11	Targeting and retention of Golgi membrane proteins. Current Opinion in Cell Biology, 1993, 5, 606-612.	2.6	121
12	Retention of a cis Golgi protein requires polar residues on one face of a predicted alpha-helix in the transmembrane domain Molecular Biology of the Cell, 1993, 4, 695-704.	0.9	78
13	The amino-terminal domain of the lamin B receptor is a nuclear envelope targeting signal Journal of Cell Biology, 1993, 120, 1093-1100.	2.3	162
14	The first membrane spanning region of the lamin B receptor is sufficient for sorting to the inner nuclear membrane Journal of Cell Biology, 1993, 120, 631-637.	2.3	133
15	Oligomerization of a membrane protein correlates with its retention in the Golgi complex. Journal of Cell Biology, 1993, 122, 1185-1196.	2.3	158
16	Mutational analysis of the human KDEL receptor: distinct structural requirements for Golgi retention, ligand binding and retrograde transport EMBO Journal, 1993, 12, 2821-2829.	3.5	129
17	Overlapping distribution of two glycosyltransferases in the Golgi apparatus of HeLa cells Journal of Cell Biology, 1993, 120, 5-13.	2.3	220
18	Divergent fates of P- and E-selectins after their expression on the plasma membrane Molecular Biology of the Cell, 1993, 4, 791-801.	0.9	174

#	Article	IF	CITATIONS
19	TGN38 is maintained in the trans-Golgi network by a tyrosine-containing motif in the cytoplasmic domain EMBO Journal, 1993, 12, 2219-2228.	3.5	209
20	Kex2-dependent invertase secretion as a tool to study the targeting of transmembrane proteins which are involved in ER>Golgi transport in yeast EMBO Journal, 1994, 13, 3696-3710.	3.5	49
21	Kin recognition between medial Golgi enzymes in HeLa cells EMBO Journal, 1994, 13, 562-574.	3.5	252
22	Isolation and characterization of krp, a dibasic endopeptidase required for cell viability in the fission yeast Schizosaccharomyces pombe EMBO Journal, 1994, 13, 5910-5921.	3.5	53
23	Recent Progress in Molecular Cloning of Glycosyltransferase Genes of Eukaryotes. Microbiology and Immunology, 1994, 38, 489-504.	0.7	28
24	The TGN38 glycoprotein contains two non-overlapping signals that mediate localization to the trans-Golgi network Journal of Cell Biology, 1994, 125, 253-268.	2.3	144
25	Post-translational modifications distinguish cell surface from Golgi-retained β1,4 galactosyltransferase molecules. Golgi localization involves active retention. Glycobiology, 1994, 4, 917-928.	1.3	51
26	Sorting signals in the MHC class II invariant chain cytoplasmic tail and transmembrane region determine trafficking to an endocytic processing compartment Journal of Cell Biology, 1994, 126, 317-330.	2.3	179
27	Targeting of proteins to the Golgi apparatus. Glycoconjugate Journal, 1994, 11, 381-394.	1.4	50
28	A decrease in serum sialyltransferase levels in Alzheimer's disease. Neurobiology of Aging, 1994, 15, 99-102.	1.5	49
29	Specificity and promiscuity in membrane helix interactions. Quarterly Reviews of Biophysics, 1994, 27, 157-218.	2.4	182
30	The biosynthesis of membrane proteins. Biomembranes: A Multi-Volume Treatise, 1995, 1, 107-135.	0.1	0
31	A comparison of the transmembrane domains of Golgi and plasma membrane proteins. Biochemical Society Transactions, 1995, 23, 527-530.	1.6	68
32	Chapter 5 Biosynthesis 2c. Glycosyltransferases Involved in the Synthesis of N-Glycan Antennae. New Comprehensive Biochemistry, 1995, , 153-199.	0.1	18
33	A Decrease in Neural Sialyltransferase Activity in Alzheimer's Disease. Dementia and Geriatric Cognitive Disorders, 1995, 6, 185-190.	0.7	24
34	E5 oncoprotein retained in the endoplasmic reticulum/cis Golgi still induces PDGF receptor autophosphorylation but does not transform cells EMBO Journal, 1995, 14, 3055-3063.	3.5	34
35	An investigation of the role of transmembrane domains in Golgi protein retention EMBO Journal, 1995, 14, 4695-4704.	3.5	368
36	Two independent targeting signals in the cytoplasmic domain determine trans-Golgi network localization and endosomal trafficking of the proprotein convertase furin EMBO Journal, 1995, 14, 2424-2435.	3.5	231

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37	Localization and targeting of the Saccharomyces cerevisiae Kre2p/Mnt1p alpha 1,2-mannosyltransferase to a medial-Golgi compartment Journal of Cell Biology, 1995, 131, 913-927.	2.3	72
38	Targeting of protein ERGIC-53 to the ER/ERGIC/cis-Golgi recycling pathway Journal of Cell Biology, 1995, 131, 57-67.	2.3	116
39	trans-Golgi retention of a plasma membrane protein: mutations in the cytoplasmic domain of the asialoglycoprotein receptor subunit H1 result in trans-Golgi retention Journal of Cell Biology, 1995, 130, 285-297.	2.3	18
40	Anterograde and retrograde traffic between the rough endoplasmic reticulum and the Golgi complex Journal of Cell Biology, 1995, 131, 1387-1401.	2.3	99
41	Oligomerization of a trans-Golgi/ trans-Golgi Network Retained Protein Occurs in the Golgi Complex and May Be Part of Its Retention. Journal of Biological Chemistry, 1995, 270, 8815-8821.	1.6	58
42	Sorting of yeast alpha 1,3 mannosyltransferase is mediated by a lumenal domain interaction, and a transmembrane domain signal that can confer clathrin-dependent Golgi localization to a secreted protein Molecular Biology of the Cell, 1995, 6, 809-824.	0.9	59
43	A Signal for Endoplasmic Reticulum Retention Located at the Carboxyl Terminus of the Plasma Membrane Ca2+-ATPase Isoform 4CI. Journal of Biological Chemistry, 1995, 270, 2679-2688.	1.6	21
44	Golgi Retention Mechanism of β-1,4-Galactosyltransferase. Journal of Biological Chemistry, 1995, 270, 12170-12176.	1.6	137
45	Retardation of a Surface Protein Chimera at the Cis Golgi. Biochemistry, 1995, 34, 5618-5626.	1.2	4
46	The membrane glycoprotein G1 of Uukuniemi virus contains a signal for localization to the Golgi complex. Virus Research, 1995, 36, 49-66.	1.1	32
47	Variable subcellular localization of a neuron-specific protein during NTera 2 differentiation into post-mitotic human neurons. Molecular Brain Research, 1996, 42, 202-212.	2.5	10
49	Localization of a yeast early Colgi mannosyltransferase, Och1p, involves retrograde transport Journal of Cell Biology, 1996, 132, 985-998.	2.3	145
50	Switching Amino-terminal Cytoplasmic Domains of α(1,2)Fucosyltransferase and α(1,3)Galactosyltransferase Alters the Expression of H Substance and Galα(1,3)Gal. Journal of Biological Chemistry, 1996, 271, 33105-33109.	1.6	59
51	Regulation of targeting signals in membrane proteins. Molecular Membrane Biology, 1996, 13, 19-27.	2.0	12
52	A Disulfide-bonded Dimer of the Golgi β-Galactoside α2,6-Sialyltransferase Is Catalytically Inactive yet Still Retains the Ability to Bind Galactose. Journal of Biological Chemistry, 1996, 271, 7758-7766.	1.6	69
53	Altered Golgi Localization of Core 2 Î <sup>2</sup> -1,6-N-Acetylglucosaminyltransferase Leads to Decreased Synthesis of Branched O-Glycans. Journal of Biological Chemistry, 1997, 272, 22695-22702.	1.6	81
54	Golgi localization of glycosyltransferases: more questions than answers. Glycobiology, 1997, 7, 1-13.	1.3	287
55	A Soluble Form of α1,3-Galactosyltransferase Functions within Cells to Galactosylate Glycoproteins. Journal of Biological Chemistry, 1997, 272, 13622-13628.	1.6	40

#	Article	IF	CITATIONS
56	Localization of human heparan glucosaminyl N-deacetylase/N-sulphotransferase to the trans-Golgi network. Biochemical Journal, 1997, 325, 351-357.	1.7	40
58	The rat alpha1, 3-fucosyltransferase (rFucT-IV) gene encodes both long and short forms of the enzyme which share the same intracellular location. Clycoconjugate Journal, 1998, 15, 671-681.	1.4	5
59	Localization of proteins to the Golgi apparatus. Trends in Cell Biology, 1998, 8, 11-15.	3.6	248
60	Targeting of proteins to the Golgi apparatus. Histochemistry and Cell Biology, 1998, 109, 517-532.	0.8	81
61	Targeting of Active Sialyltransferase to the Plant Golgi Apparatus. Plant Cell, 1998, 10, 1759-1768.	3.1	187
62	Endobrevin, a Novel Synaptobrevin/VAMP-Like Protein Preferentially Associated with the Early Endosome. Molecular Biology of the Cell, 1998, 9, 1549-1563.	0.9	108
63	Syntaxin 7, a Novel Syntaxin Member Associated with the Early Endosomal Compartment. Journal of Biological Chemistry, 1998, 273, 375-380.	1.6	78
64	GS32, a Novel Golgi SNARE of 32 kDa, Interacts Preferentially with Syntaxin 6. Molecular Biology of the Cell, 1999, 10, 119-134.	0.9	68
65	The Cytoplasmic, Transmembrane, and Stem Regions of Glycosyltransferases Specify Their in Vivo Functional Sublocalization and Stability in the Golgi. Journal of Biological Chemistry, 1999, 274, 36107-36116.	1.6	74
66	Glycosyltransferases Involved in N-Glycan Synthesis. , 1999, , 37-67.		0
67	Homologous and Heterologous Phosphorylation of the Vasopressin V1a Receptor. Cellular Signalling, 1999, 11, 743-751.	1.7	26
68	Protein retention and localization in the endoplasmic reticulum and the Golgi apparatus. Biochimie, 1999, 81, 607-618.	1.3	50
69	The relationship between ST6Gal I Golgi retention and its cleavage-secretion. Glycobiology, 1999, 9, 1397-1406.	1.3	33
70	Studying organelle physiology with fusion protein-targeted avidin and fluorescent biotin conjugates. Methods in Enzymology, 2000, 327, 546-564.	0.4	23
71	Organelle pH studies using targeted avidin and fluorescein–biotin. Chemistry and Biology, 2000, 7, 197-209.	6.2	169
72	The sialyl-alpha2,6-lactosaminyl-structure: biosynthesis and functional role. , 2000, 17, 669-676.		98
73	Trafficking and localisation of resident Golgi glycosylation enzymes. Biochimie, 2001, 83, 763-773.	1.3	101
74	Proton leak and CFTR in regulation of Golgi pH in respiratory epithelial cells. American Journal of Physiology - Cell Physiology, 2001, 281, C908-C921.	2.1	44

#	Article	IF	CITATIONS
75	The cytosolic and transmembrane domains of the beta1,6 N-acetylglucosaminyltransferase (C2GnT) function as a cis to medial/Golgi-targeting determinant. Glycobiology, 2002, 12, 15-24.	1.3	45
76	Retrieval of Human Cytomegalovirus Glycoprotein B from Cell Surface Is Not Required for Virus Envelopment in Astrocytoma Cells. Journal of Virology, 2002, 76, 5147-5155.	1.5	32
77	Heterologous Expression of WT and Mutant Photoreceptor Peripherin/rds in Madin Darby Canine Kidney Cells: an Assessment of Fusogenic Function. Experimental Eye Research, 2002, 74, 267-283.	1.2	12
78	Cycling of Early Golgi Proteins Via the Cell Surface and Endosomes Upon Lumenal pH Disruption. Traffic, 2002, 3, 641-653.	1.3	100
79	The Golgi localization of Arabidopsis thaliana beta1,2-xylosyltransferase in plant cells is dependent on its cytoplasmic and transmembrane sequences. Plant Molecular Biology, 2002, 50, 273-281.	2.0	29
80	Importance of Cys, Gln, and Tyr from the Transmembrane Domain of Human α3/4 Fucosyltransferase III for Its Localization and Sorting in the Golgi of Baby Hamster Kidney Cells. Journal of Biological Chemistry, 2003, 278, 7624-7629.	1.6	25
81	Deletion of the cytoplasmic domain of human α3/4 fucosyltransferase III causes the shift of the enzyme to early Golgi compartments. Biochimica Et Biophysica Acta - General Subjects, 2004, 1675, 95-104.	1.1	13
82	Modification of plant N-glycans processing: The future of producing therapeutic protein by transgenic plants. Medicinal Research Reviews, 2005, 25, 343-360.	5.0	69
83	TLR3 and TLR7 Are Targeted to the Same Intracellular Compartments by Distinct Regulatory Elements. Journal of Biological Chemistry, 2005, 280, 37107-37117.	1.6	184
84	Multiple Signals Are Required for α2,6-Sialyltransferase (ST6Gal I) Oligomerization and Golgi Localization. Journal of Biological Chemistry, 2005, 280, 5423-5429.	1.6	44
85	Human Dectin-1 isoform E is a cytoplasmic protein and interacts with RanBPM. Biochemical and Biophysical Research Communications, 2006, 347, 1067-1073.	1.0	31
86	Triple arginines in the cytoplasmic tail of endomannosidase are not essential for type II membrane topology and Golgi localization. Cellular and Molecular Life Sciences, 2008, 65, 1609-1619.	2.4	1
87	Molecular characterization of two novel isoforms and a soluble form of mouse CLEC-2. Biochemical and Biophysical Research Communications, 2008, 371, 180-184.	1.0	19
88	Localization of Golgi-resident glycosyltransferases. Cellular and Molecular Life Sciences, 2010, 67, 29-41.	2.4	101
89	The Golgi Localization of GOLPH2 (GP73/GOLM1) Is Determined by the Transmembrane and Cytoplamic Sequences. PLoS ONE, 2011, 6, e28207.	1.1	42
90	Mechanisms of Protein Retention in the Golgi. Cold Spring Harbor Perspectives in Biology, 2011, 3, a005264-a005264.	2.3	121
91	Conserved oligomeric Golgi complex specifically regulates the maintenance of Golgi glycosylation machinery. Glycobiology, 2011, 21, 1554-1569.	1.3	105
92	The First Transmembrane Domain of Lipid Phosphatase SAC1 Promotes Golgi Localization. PLoS ONE, 2013. 8. e71112.	1.1	11

#	Article	IF	CITATIONS
93	Evolution of protein N-glycosylation process in Golgi apparatus which shapes diversity of protein N-glycan structures in plants, animals and fungi. Scientific Reports, 2017, 7, 40301.	1.6	27
94	HID-1 controls formation of large dense core vesicles by influencing cargo sorting and <i>trans</i> -Golgi network acidification. Molecular Biology of the Cell, 2017, 28, 3870-3880.	0.9	30
96	EIPR1 controls dense-core vesicle cargo retention and EARP complex localization in insulin-secreting cells. Molecular Biology of the Cell, 2020, 31, 59-79.	0.9	14
97	The SH3 domain in the fucosyltransferase FUT8 controls FUT8 activity and localization and is essential for core fucosylation. Journal of Biological Chemistry, 2020, 295, 7992-8004.	1.6	21
99	A quantitative study of the Golgi retention of glycosyltransferases. Journal of Cell Science, 2021, 134,	1.2	10
100	Protein sorting and vesicular traffic in the Golgi apparatus. , 1997, , 63-129.		54
101	Hantavirus Maturation. Current Topics in Microbiology and Immunology, 2001, 256, 33-46.	0.7	36
102	A signal for Golgi retention in the bunyavirus G1 glycoprotein Journal of Biological Chemistry, 1994, 269, 22565-22573.	1.6	58
103	Medial-Golgi retention of N-acetylglucosaminyltransferase I. Contribution from all domains of the enzyme Journal of Biological Chemistry, 1994, 269, 12049-12059.	1.6	56
104	Golgi retardation in Madin-Darby canine kidney and Chinese hamster ovary cells of a transmembrane chimera of two surface proteins Journal of Biological Chemistry, 1994, 269, 1985-1994.	1.6	23
105	The transmembrane and flanking sequences of beta 1,2-N-acetylglucosaminyltransferase I specify medial-Golgi localization Journal of Biological Chemistry, 1992, 267, 24433-24440.	1.6	89
106	The SXYQRL sequence in the cytoplasmic domain of TGN38 plays a major role in trans-Golgi network localization Journal of Biological Chemistry, 1993, 268, 22853-22862.	1.6	113
107	The cytoplasmic tail of mouse hepatitis virus M protein is essential but not sufficient for its retention in the Golgi complex Journal of Biological Chemistry, 1994, 269, 28263-28269.	1.6	44
108	Mutational analysis of the Golgi retention signal of bovine beta-1,4-galactosyltransferase. Journal of Biological Chemistry, 1993, 268, 9908-9916.	1.6	124
109	Molecular genetic analysis of the human Lewis histo-blood group system Journal of Biological Chemistry, 1994, 269, 29271-29278.	1.6	140
110	Kinetics and mechanism of deuterium oxide-induced fluorescence enhancement of fluorescyl ligand bound to specific heterogeneous and homogeneous antibodies Journal of Biological Chemistry, 1981, 256, 4433-4438.	1.6	24
111	Specific sequences in the signal anchor of the beta-galactoside alpha-2,6-sialyltransferase are not essential for Golgi localization. Membrane flanking sequences may specify Golgi retention Journal of Biological Chemistry, 1993, 268, 26310-26319.	1.6	51
112	Purification of chondroitin 6-sulfotransferase secreted from cultured chick embryo chondrocytes Journal of Biological Chemistry, 1993, 268, 21968-21974.	1.6	76

		CITATION REPORT		
#	Apticie	1	F	CITATIONS
114	GO-PROMTO Illuminates Protein Membrane Topologies of Glycan Biosynthetic Enzymes in the Golg Apparatus of Living Tissues. PLoS ONE, 2012, 7, e31324.		1.1	20
115	Localization of Golgi Glycosyltransferases Trends in Glycoscience and Glycotechnology, 1997, 9, 267-282.		0.0	3
117	Protein Trafficking In and Out of the Golgi Apparatus Trends in Glycoscience and Glycotechnology, 1994, 6, 310-327.		0.0	0
118	Protein Retention in the Golgi Stack. , 1994, , 23-32.			0
119	Assembly of Membrane Proteins and their Movement to the Cell Surface. , 1994, , 23-47.			0
120	Branching Out: Constructing The Antennae Of N-Linked Sugars. , 1998, , 213-279.			0
121	Sugars And Proteins: How They Get It Together. , 1998, , 85-145.			1
124	E5 oncoprotein retained in the endoplasmic reticulum/cis Golgi still induces PDGF receptor autophosphorylation but does not transform cells. EMBO Journal, 1995, 14, 3055-63.		3.5	13
125	Kin recognition between medial Golgi enzymes in HeLa cells. EMBO Journal, 1994, 13, 562-74.	:	3.5	115
126	Kex2-dependent invertase secretion as a tool to study the targeting of transmembrane proteins whi are involved in ER>Golgi transport in yeast. EMBO Journal, 1994, 13, 3696-710.	ch :	3.5	25
127	Isolation and characterization of krp, a dibasic endopeptidase required for cell viability in the fission yeast Schizosaccharomyces pombe. EMBO Journal, 1994, 13, 5910-21.	:	3.5	17
128	Two independent targeting signals in the cytoplasmic domain determine trans-Golgi network localization and endosomal trafficking of the proprotein convertase furin. EMBO Journal, 1995, 14, 2424-35.		3.5	119
129	TGN38 is maintained in the trans-Golgi network by a tyrosine-containing motif in the cytoplasmic domain. EMBO Journal, 1993, 12, 2219-28.	:	3.5	108
130	Mutational analysis of the human KDEL receptor: distinct structural requirements for Golgi retention, ligand binding and retrograde transport. EMBO Journal, 1993, 12, 2821-9.		3.5	53