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Isoprenylation of the G protein gamma subunit is both necessary and sufficient for beta gamma dimer-mediated stimulation of phospholipase C

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#	Paper	IF	Citations
26	G protein beta gamma subunits. <i>Annual Review of Pharmacology and Toxicology</i> , 1997 , 37, 167-203	17.9	713
25	Lipids. <i>Current Opinion in Structural Biology</i> , 1997 , 7, 591-8	8.1	
24	Differential distribution of G-protein beta-subunits in brain: an immunocytochemical analysis. <i>European Journal of Cell Biology</i> , 1999 , 78, 311-22	6.1	15
23	Mass spectrometric analysis of catechol-histidine adducts from insect cuticle. <i>Analytical Biochemistry</i> , 1999 , 268, 229-37	3.1	51
22	Role of the gamma subunit prenyl moiety in G protein beta gamma complex interaction with phospholipase Cbeta. <i>Journal of Biological Chemistry</i> , 2001 , 276, 41797-802	5.4	35
21	Role of the G protein gamma subunit in beta gamma complex modulation of phospholipase Cbeta function. <i>Journal of Biological Chemistry</i> , 2002 , 277, 19573-8	5.4	32
20	Preparation and application of G protein gamma subunit-derived peptides incorporating a photoactive isoprenoid. <i>Methods in Enzymology</i> , 2002 , 344, 245-58	1.7	3
19	Endogenous mono-ADP-ribosylation of the free Gbetagamma prevents stimulation of phosphoinositide 3-kinase-gamma and phospholipase C-beta2 and is activated by G-protein-coupled receptors. <i>Biochemical Journal</i> , 2002 , 367, 825-32	3.8	25
18	Intracellular calcium channels and their modulators. <i>Expert Opinion on Therapeutic Patents</i> , 2003 , 13, 815-850	6.8	0
17	Gamma 2 subunit of G protein heterotrimer is an N-end rule ubiquitylation substrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5081-6	11.5	32
16	How a G protein binds a membrane. <i>Journal of Biological Chemistry</i> , 2004 , 279, 33937-45	5.4	32
15	Role of the isoprenyl pocket of the G protein beta gamma subunit complex in the binding of phosducin and phosducin-like protein. <i>Biochemistry</i> , 2004 , 43, 5651-60	3.2	18
14	Liver prenylated methylated protein methyl esterase is an organophosphate-sensitive enzyme. <i>Journal of Biochemical and Molecular Toxicology</i> , 2005 , 19, 347-57	3.4	21
13	G protein betagamma complex translocation from plasma membrane to Golgi complex is influenced by receptor gamma subunit interaction. <i>Cellular Signalling</i> , 2006 , 18, 1758-68	4.9	35
12	Ggamma13 interacts with PDZ domain-containing proteins. <i>Journal of Biological Chemistry</i> , 2006 , 281, 11066-73	5.4	25
11	Prenylation-deficient G protein gamma subunits disrupt GPCR signaling in the zebrafish. <i>Cellular Signalling</i> , 2010 , 22, 221-33	4.9	15
10	Purification of the CaaX-modified, dynamin-related large GTPase hGBP1 by coexpression with farnesyltransferase. <i>Journal of Lipid Research</i> , 2010 , 51, 2454-9	6.3	30

9	Heterogeneous Prenyl Processing of the Heterotrimeric G protein Gamma Subunits. <i>The Enzymes</i> , 2011 , 97-124	2-3	4
8	Central and C-terminal domains of heterotrimeric G protein gamma subunits differentially influence the signaling necessary for primordial germ cell migration. <i>Cellular Signalling</i> , 2011 , 23, 1617-24	4-9	4
7	Polyisoprenylated methylated protein methyl esterase is both sensitive to curcumin and overexpressed in colorectal cancer: implications for chemoprevention and treatment. <i>BioMed Research International</i> , 2013 , 2013, 416534	3	12
6	Structural insights into phospholipase C- β function. <i>Molecular Pharmacology</i> , 2013 , 84, 488-500	4-3	64
5	Class II and the Phospholipase C β X-Y Linker Regulate Adsorption and Activity on Compressed Lipid Monolayers. <i>Biochemistry</i> , 2019 , 58, 3454-3467	3-2	5
4	Heterotrimeric G-Protein Signaling in Plants: Conserved and Novel Mechanisms. <i>Annual Review of Plant Biology</i> , 2019 , 70, 213-238	30-7	34
3	Structure and regulation of phospholipase C β and δ at the membrane. <i>Chemistry and Physics of Lipids</i> , 2021 , 235, 105050	3-7	4
2	Differential gene expression during capillary morphogenesis in 3D collagen matrices. <i>Journal of Cell Science</i> , 2001 , 114, 2755-2773	5-3	292
1	Isoprenylation modification required for HIP1-mediated powdery mildew resistance in wheat.		0