

# Structural Basis for Phosphoinositide Substrate Recognition Interactions in Human Inositol Polyphosphate 5-Phosphatase

Structure

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Citation Report

#	ARTICLE	IF	CITATIONS
1	SHIP2 phosphatase domain structure suggests sites of regulation (retrospective on DOI) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 742 Td (	1.2	10
2	Structural Basis of Lipid Binding for the Membrane-embedded Tetraacyldisaccharide-1-phosphate 4â€²-Kinase LpxK. Journal of Biological Chemistry, 2014, 289, 24059-24068.	1.6	8
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4	Identification of Inhibitors of Inositol 5-Phosphatases through Multiple Screening Strategies. ACS Chemical Biology, 2014, 9, 1359-1368.	1.6	28
5	PIPs in neurological diseases. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 1066-1082.	1.2	46
6	The structure of phosphoinositide phosphatases: Insights into substrate specificity and catalysis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 698-710.	1.2	70
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9	Crystal Structures of Type-II Inositol Polyphosphate 5-Phosphatase INPP5B with Synthetic Inositol Polyphosphate Surrogates Reveal New Mechanistic Insights for the Inositol 5-Phosphatase Family. Biochemistry, 2016, 55, 1384-1397.	1.2	12
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11	Ocular Pathology of Oculocerebrorenal Syndrome of Lowe: Novel Mutations and Genotype-Phenotype Analysis. Scientific Reports, 2017, 7, 1442.	1.6	11
12	TFEB regulates lysosomal positioning by modulating TMEM55B expression and JIP4 recruitment to lysosomes. Nature Communications, 2017, 8, 1580.	5.8	135
13	Synaptojanin regulates Hedgehog signalling by modulating phosphatidylinositol 4-phosphate levels. Journal of Biosciences, 2018, 43, 867-876.	0.5	1
14	Inferring joint sequence-structural determinants of protein functional specificity. ELife, 2018, 7, .	2.8	14
15	Solution structure of SHIP2 SH2 domain and its interaction with a phosphotyrosine peptide from c-MET. Archives of Biochemistry and Biophysics, 2018, 656, 31-37.	1.4	5
16	Identification of Inositol Phosphate or Phosphoinositide Interacting Proteins by Affinity Chromatography Coupled to Western Blot or Mass Spectrometry. Journal of Visualized Experiments, 2019, , .	0.2	8
17	Discovery of Gut Bacteria Specific to Alzheimerâ€™s Associated Diseases is a Clue to Understanding Disease Etiology: Meta-Analysis of Population-Based Data on Human Gut Metagenomics and Metabolomics. Journal of Alzheimer's Disease, 2019, 72, 319-355.	1.2	25
18	A high-avidity biosensor reveals plasma membrane PI(3,4)P2 is predominantly a class I PI3K signaling product. Journal of Cell Biology, 2019, 218, 1066-1079.	2.3	93

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19	The structure of <i>Legionella</i> effector protein LpnE provides insights into its interaction with Oculocerebrorenal syndrome of Lowe ( <i>OCRL</i> ) protein. <i>FEBS Journal</i> , 2019, 286, 710-725.	2.2	9
20	Nuclear Phosphatidylinositol 5-Phosphatase Is Essential for Allelic Exclusion of Variant Surface Glycoprotein Genes in Trypanosomes. <i>Molecular and Cellular Biology</i> , 2019, 39, .	1.1	18
21	The impact of phosphoinositide 5-phosphatases on phosphoinositides in cell function and human disease. <i>Journal of Lipid Research</i> , 2019, 60, 276-286.	2.0	31
22	ANGEL2 is a member of the CCR4 family of deadenylases with $\epsilon^2,3\epsilon^2$ -cyclic phosphatase activity. <i>Science</i> , 2020, 369, 524-530.	6.0	23
23	Functional Study of <i>Haemophilus ducreyi</i> Cytolethal Distending Toxin Subunit B. <i>Toxins</i> , 2020, 12, 530.	1.5	4
24	Characterization of the substrate specificity of the inositol 5-phosphatase SHIP1. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 366-370.	1.0	3
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29	Expression, purification and characterization of the RhoA-binding domain of human SHIP2 in <i>E.coli</i> . <i>Protein Expression and Purification</i> , 2021, 180, 105821.	0.6	5
30	Small molecule targeting of SHIP1 and SHIP2. <i>Biochemical Society Transactions</i> , 2020, 48, 291-300.	1.6	21
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37	Discovery of a novel SHIP1 agonist that promotes degradation of lipid-laden phagocytic cargo by microglia. <i>IScience</i> , 2022, 25, 104170.	1.9	17
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39	Decreased INPP5B expression predicts poor prognosis in lung adenocarcinoma. Cancer Cell International, 2022, 22, 189.	1.8	2
40	Interaction between S4 and the phosphatase domain mediates electrochemical coupling in voltage-sensing phosphatase (VSP). Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	6