

Bioactive

Full-Length

PIP5K1B (Human) Recombinant Protein

Catalog # P6575

Size 5 ug

Applications

Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human PIP5K1B (NP_003549.1, 1 a.a. - 540 a.a.) full length recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.68
Activity	The activity was determined by ADP-Glo Assay. The enzyme was incubated with Lipid substrate and Mn/ATP. The phosphorylation was detected by the ADP-Glo Kinase Assay technology (luminescent ADP detection assay). Substrate: PI (4) P and Phosphatidylserine, ATP: 100 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Result of activity analysis
	Result of activity analysis

Applications

- Functional Study

Gene Info — PIP5K1B

Entrez GeneID	8395
Protein Accession#	NP_003549.1
Gene Name	PIP5K1B
Gene Alias	MSS4, STM7
Gene Description	phosphatidylinositol-4-phosphate 5-kinase, type I, beta
Omim ID	602745
Gene Ontology	Hyperlink
Gene Summary	type I
Other Designations	OTTHUMP00000021423

Pathway

- [Endocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Psychiatric Status Rating Scales](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)