

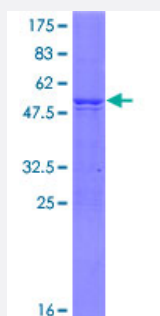
Full-Length

PIP5K1C (Human) Recombinant Protein (P01)

Catalog # H00023396-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PIP5K1C full-length ORF (AAH11138.1, 1 a.a. - 206 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTPRHPLFTSRRPPAQPTRCARKAPAVEKPDPSRSPARTHTPREQPLHSAQERGRPSSGTGQ
PRGSQHPSGQAHVGSSSLRAQRVCPALGSDLGLSSQPGAHLAPGIHPSAPALSLRRTPSRHPPG
RQGQRSEGVSGTWMASRDRGMISKAQPPEATPVLPGSPRVALPRALAPETPRACGVTRSSRC
GPGRAAPRPGQPPSAE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

48

Interspecies Antigen Sequence

Mouse (32); Rat (26)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PIP5K1C

Entrez GeneID [23396](#)

GeneBank Accession# [BC011138.1](#)

Protein Accession# [AAH11138.1](#)

Gene Name PIP5K1C

Gene Alias KIAA0589, LCCS3, PIP5K-GAMMA, PIP5Kgamma

Gene Description phosphatidylinositol-4-phosphate 5-kinase, type I, gamma

Omim ID [606102 611369](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the type I phosphatidylinositol-4-phosphate 5-kinase family of enzymes. A similar protein in mice is found in synapses and focal adhesion plaques, and binds the FERM domain of talin through its C-terminus. [provided by RefSeq]

Other Designations Human homolog of mouse phosphatidylinositol-4-phosphate 5-kinase I-gamma|PtdIns(4)P-5-kinase|diphosphoinositide kinase|phosphatidylinositol-4-phosphate 5-kinase I-gamma|type I PIP kinase

Pathway

- [Endocytosis](#)

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

Disease

- [Disease Progression](#)
- [Disease Susceptibility](#)
- [HIV Infections](#)