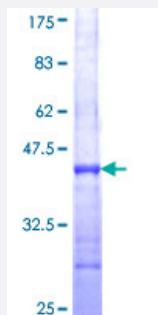


INPP5K (Human) Recombinant Protein (Q01)

Catalog # H00051763-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human INPP5K partial ORF (NP_057616, 147 a.a. - 253 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	NCHLPPHISNNYQRLEHFDRILEMQNCEGRDIPNILDHDLIWFGDMNFRIEDFGLHFVRESIKNRCY GGLWEKDQLSIAKKHDPDLLREFQEGRLLFPPTYKFDRNS
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.51
Interspecies Antigen Sequence	Mouse (75); Rat (74)
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 — INPP5K

Entrez GeneID [51763](#)

GeneBank Accession# [NM_016532](#)

Protein Accession# [NP_057616](#)

Gene Name INPP5K

Gene Alias PPS, SKIP

Gene Description inositol polyphosphate-5-phosphatase K

Omim ID [607875](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a protein with 5-phosphatase activity toward polyphosphate inositol. The protein localizes to the cytosol in regions lacking actin stress fibers. It is thought that this protein may negatively regulate the actin cytoskeleton. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Other Designations 43-kDa form skeletal muscle and kidney enriched inositol phosphatase|skeletal muscle and kidney enriched inositol phosphatase

Pathway

- [Inositol phosphate metabolism](#)
- [Insulin signaling pathway](#)
- [Metabolic pathways](#)

- [Phosphatidylinositol signaling system](#)