

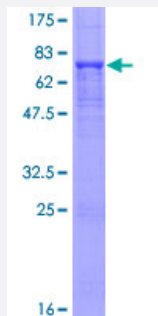
Full-Length

INPP5K (Human) Recombinant Protein (P02)

Catalog # H00051763-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human INPP5K full-length ORF (NP_057616.2, 1 a.a. - 448 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSSRKLSGPKGRRLSIHVVTWNVASAAPPLDLSDLLQLNNRNLNLDIYVIGLQELNSGIISLLSDAA
FNDWSWSSFLMDVLSPLSFIKVSHVRMQGILLLVFAKYQHLPYQILSTKSTPTGLFGYWGNKGGVNI
CLKLYGYVSIINCHLPPHISNNYQRLEHFDRILEMQNCEGRDIPNILDHDLIWFGDMNFRIEDFGLHF
VRESIKNRCYGGWLEKDQLSIAKKHDPLLREFQEGRLFPPTYKFDRNSNDYDTSEKKRKPAWTD
RILWRLKRQPCAGPDTPIPPASHFSLSLRGYSSHMTYGISDHKPVSGTFDLELKPLVSAPLVLMP
DLWTVENDMMVSYSSSTDFPSSPWDWIGLYKVGLRDVNDYVSYAWVGDSKVSCLSDNLNQVYIDI
SNIPTTEDEFLLCYNSLSRVVGISRPFQIPPGSLREDPLGEAQPQI

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

77.5

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_016532.2
Protein Accession#	NP_057616.2
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](#)