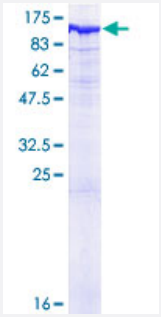
Full-Length

INPP5B (Human) Recombinant Protein (P01)

Catalog # H00003633-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human INPP5B full-length ORF (AAH58932.1, 1 a.a. - 748 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MDQSVAIQETLAEGEYCVIAVQGVLCEGDSRQSRLLGLVRYRLEHGGQEHALFLYTHRRMAITGD DVSLDQIVPVSRDFTLEEVSPDGELYILGSDVTVQLDTAELSLVFQLPFGSQTRMFLHEVARACP GFDSATRDPEFLWLSRYRCAELELEMPTPRGCNSALVTWPGYATIGGGGSNFDGLRPNGKGVP MDQSSRGQDKPESLQPRQNKSKSEITDMVRSSTITVSDKAHILSMQKFGLRDTIVKSHLLQKEED YTYIQNFRFFAGTYNVNGQSPKECLRLWLSNGIQAPDVYCVGFQELDLSKEAFFFHDTPKEEEWF KAVSEGLHPDAKYAKVKLIRLVGIMLLLYVKQEHAAYISEVEAETVGTGIMGRMGNKGGVAIRFQFH NTSICVVNSHLAAHIEEYERRNQDYKDICSRMQFCQPDPSLPPLTISNHDVILWLGDLNYRIEELDV EKVKKLIEEKDFQMLYAYDQLKIQVAAKTVFEGFTEGELTFQPTYKYDTGSDDWDTSEKCRAPAW CDRILWKGKNITQLSYQSHMALKTSDHKPVSSVFDIGVRVVNDELYRKTLEEIVRSLDKMENANIPS VSLSKREFCFQNVKYMQLKVESFTIHNGQVPCHFEFINKPDEESYCKQWLNANPSRGFLLPDSD VEIDLELFVNKTTATKLNSGEDKIEDILVLHLDRGKDYFLSVSGNYLPSCFGSPIHTLCYMREPILDL PLETISELLAYLAAYCFETQLVTKSLI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	111.4
Interspecies Antigen Sequence	Mouse (79); Rat (86)
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 — INPP5B

Entrez GeneID	3633
GeneBank Accession#	BC058932.1
Protein Accession#	AAH58932.1
Gene Name	INPP5B
Gene Alias	5PTase, MGC65156, MGC71303
Gene Description	inositol polyphosphate-5-phosphatase, 75kDa
Omim ID	147264
Gene Ontology	Hyperlink
Gene Summary	Cellular calcium signaling is controlled by the production of inositol phosphates (IPs) by phospholipase C in response to extracellular signals. The IP signaling molecules are inactivated by a family of inositol polyphosphate-5-phosphatases (5-phosphatases). This gene encodes the type II 5-phosphatase. The protein is localized to the cytosol and mitochondria, and associates with membranes through an isoprenyl modification near the C-terminus. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq

Other Designations	OTTHUMP00000004726|phosphoinositide 5-phosphatase|type II inositol-1,4,5-trisphosphate 5-phosphatase

Pathway

- Inositol phosphate metabolism
- Metabolic pathways
- Phosphatidylinositol signaling system

Disease

- Disease
- Genetic Predisposition to Disease