

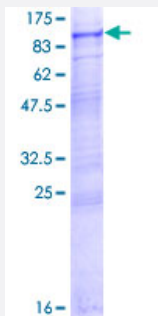
Full-Length

INPP5E (Human) Recombinant Protein (P01)

Catalog # H00056623-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human INPP5E full-length ORF (NP_063945.2, 1 a.a. - 644 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPSKAENLRPSEPAPQPPEGRTLQGQLPGAPPAQRAGSPPDAPGSESPALACSTPATPSGED
PPARAAPIAPRPPARPRLERALSLDDKGWRRRRFRGSQEDLEARNGTSPSRGSVQSEGPGAPA
HSCSPPCLSTSLQEIPKSRGVLSSERGSPSSGGNPLSGVASSSPNLPHRDAAVAGSSPRLPSLL
PPRPPPALSLDIASDSLRTANKVDSLADYKLRAQPLLVRHSSLGPGRPRSPLACDDCSLRS
KSSFSLAPIRSKDVRSRSLLEGSLLASGALLGADELARYFPDRNVALFVATWNMQGQKELPPSL
DEFLPAEADYAQDLYIGVQEGCSDRREWETRLQETLGPYVLLSSAAHGVLYMSLFIRRDLMWF
CSEVECSTVTTRMSQIKTKGALGISFTFFGTSFLFITSHFTSGDGKVAERLLDYTRTVQALVLP
PDNTPYRSSAADVTTRFDEVFWFGDFNRLSGGRTVVDALLCQGLVVDVPALLQHDQLIREMRK
GSIFKGFQEPDIHFLPSYKFDIGKDTYDSTSKQRTPSYTDRVLYRSRHKGDICPVSYSSCPGIKTS
DHRPVYGLFRVKVRPGRDNIPLAAGKFDRELYLLGIKRRISKEIQRQQALQSQNSSTICSVS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

96.6

Interspecies Antigen Sequence

Mouse (76); Rat (76)

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 — INPP5E

Entrez GeneID	56623
GeneBank Accession#	NM_019892.3
Protein Accession#	NP_063945.2
Gene Name	INPP5E
Gene Alias	MGC117201, PPI5PIV
Gene Description	inositol polyphosphate-5-phosphatase, 72 kDa
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is an inositol 1,4,5-trisphosphate (InsP3) 5-phosphatase. InsP3 5-phosphatases hydrolyze Ins(1,4,5)P3, which mobilizes intracellular calcium and acts as a second messenger mediating cell responses to various stimulation. Studies of the mouse counterpart suggest that this protein may hydrolyze phosphatidylinositol 3,4, 5-trisphosphate and phosphatidylinositol 3,5-bisphosphate on the cytoplasmic Golgi membrane and thereby regulate Golgi-vesicular trafficking. [provided by RefSeq]
Other Designations	OTTHUMP00000022575 inositol polyphosphate-5-phosphatase E phosphatidylinositol (4,5) biphosphate 5-phosphatase phosphatidylinositol polyphosphate 5-phosphatase type IV

Pathway

- [Inositol phosphate metabolism](#)
- [Metabolic pathways](#)
- [Phosphatidylinositol signaling system](#)