

Recombinant Human INPP5E Protein, GST-tagged

Cat. No. INPP5E-5105H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human INPP5E full-length ORF (NP_063945.2, 1 a.a. - 644 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	96.6 kDa
AA Sequence	MPSKAENLRPSEPAPQPPEGRTLQGQLPGAPPAQRAGSPPDAPGSESPALACSTP ATPSGEDPPARAAPRPPARPRLERALSDDKGWRRRRFRGSGQEDLEARNGTS PSRGSVQSEGPGAPAHSCSPCLSTSLQEIPKSRGVLSSERGPSSGGNPLSGVAS SSPNLPHRDAAVAGSSPRLPSLLPPRPPPALSLEIASDSLRTANKVDSLDLADYKLR QPLLVRAHSSLGPRPRSPACDDCSLRSKSSFSLLAPIRSKDVRSRSYLEGSLLA SGALLGADELARYFPDRNVALFVATWNMQGQKELPPSLDEFLLPAEADYAQDLYVI GVQEGCSDRREWETRLQETLGPYVLLSSAAHGVLYMSLFIRRDLIWFCSEVECST

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VTTRIVS QIKTKGALGISFTFFGTSFLFITSHFTSGDGKVAERLLDYTRTVQALVLP
 VPDTNPYRSSAADVTTRFDEVFVWFGDFNFRLSGGRTVVDALLCQGLVVDVPALLQH
 DQLIREMRKGSIFKGFQEPDIHFLPSYKFDIGKDTYDSTSKQRTPSYTDRLVLYRSRHK
 GDICPVSYSSCPGIKTS DHRPVYGLFRVKVRPGRDNIPLAAGKFDRELYLLGIKRRIS
 KEIQRQQALQSQNSSTICSVS

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

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

Storage
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

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

GENE INFORMATION

Gene Name
 INPP5E inositol polyphosphate-5-phosphatase, 72 kDa [Homo sapiens]

Official Symbol
 INPP5E

Synonyms
 INPP5E; inositol polyphosphate-5-phosphatase, 72 kDa; JBTS1, Joubert syndrome 1;
 72 kDa inositol polyphosphate 5-phosphatase; CORS1; PPI5PIV; phosphatidylinositol
 4,5-bisphosphate 5-phosphatase; phosphatidylinositol-4,5-bisphosphate 5-
 phosphatase; phosphatidylinositol (4,5) bisphosphate 5-phosphatase;
 phosphatidylinositol polyphosphate 5-phosphatase type IV; CPD4; JBTS1; MORMS;
 MGC117201;

Gene ID
 56623

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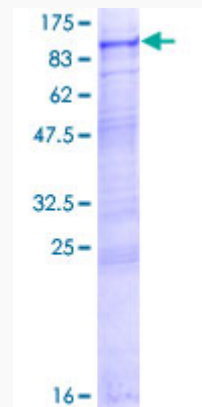
mRNA Refseq [NM_019892](#)

Protein Refseq [NP_063945](#)

MIM [613037](#)

UniProt ID [Q9NRR6](#)

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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