

Recombinant Full Length Human INPP5E Protein, GST-tagged

Cat. No. INPP5E-5974HF 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	In Vitro Cell Free System
Protein Length	644 amino acids
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 ATPSGEDPPARAAPRPPARPRRLERALSDDKGWRRRRFRGSGQEDLEARNGTS PSRGSVQSEGPGAPAHSCSPCLSTSLQEIPKSRGVLSSERGSPPSSGGNPLSGVAS SSPNLPHRDAAVAGSSPRLPSLLPPRPPALSLLDIASDSLRTANKVDSLDLADYKLR QPLLVRAHSSLGPRPRSPPLACDDCSLRSKSSFSLLAPIRSKDVRSRSYLEGSLLA SGALLGADELARYFPDRNVALFVATWNMQGQKELPPSLDEFLLPAEADYAQDLYVI

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GVQEGCSDRREWETRLQETLGPHYVLLSSAAHGVLYMSLFIRRDLIWFCSEVECST
 VTTRIVSQIKTKGALGISFTFFGTSFLFITSHFTSGDGKVAERLLDYTRTVQALVLP
 VPDTNPYRSSAADVTTRFDEVFWFGDFNFRLSGGRTVVDALLCQGLVVDVPALLQH
 DQLIREMRKGSIFKGFQEPDIHFLPSYKFDIGKDTYDSTSKQRTPSYTDRLVLYRSRHK
 GDICPVSYS SCPGIKTS 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;

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Gene ID	56623
mRNA Refseq	NM_019892
Protein Refseq	NP_063945
MIM	613037
UniProt ID	Q9NRR6

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