

Recombinant Human ITPKB Protein, GST-tagged

Cat. No. ITPKB-4949H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITPKB full-length ORF (AAH15009.1, 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 protein regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P4. The activity of this encoded protein is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity. [provided by RefSeq]
Molecular Mass	93.8 kDa
AA Sequence	MAVYCYALNSLVIMNSANEMKSGGGPGPSGSETPPPPRRAVLSPGSVFSPGRGAS FLFPPAESLSPEEPRSPGGWRSGRRRLNSSSGSGSGSSGSSVSSPSWAGRLRGD RQQVVAAGTLPSPGPEEAKRKLRLQRELQNVQVNQKVGMEAHIAQSSAIQAPR SPRLGRAHSPSPCFRSSSQPPGRVLVQGARSEERTKSWGEQCPETSGTDSGR KGGPSLCSSQVKKGMPPLPGRAAPTGSEAQGPSAFVRMEKGIPASPRCGSPTAME IDKRGSPTPGTRSCCLAPSLGLFGASLTMAATEVAARVTSTGPHRPQDLALTEPSGRAR ELEDLQPPEALVERQGQFLGSETSPAPERGGPRDGEPPGKMGKGYLPCGMPSGS EPEVGKRPEETTTSVQSAESSDALSWRLPRALASVGPEEARSGAPVGGGRWQLS

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DRVEGGSPRTLGLLGGSPSAQPGTGNVEAGIPSGRMLEPLPCWDAAKDLKEPQCPP
GDRVGVQPGNSRVWQGTMEKAGLAWTRGTGVQSEGTWESQRQDSDALPSPPELL
PQDQDKPFLRKACSPSNIPAVIITDMGTQEDGALEETQGSPRGNLPLRKLSSSSASS
TGFSSSYEDSEEDISSDPERTLDPNSAFLHTLDQQKPRV

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 ITPKB inositol-trisphosphate 3-kinase B [Homo sapiens]

Official Symbol ITPKB

Synonyms ITPKB; inositol-trisphosphate 3-kinase B; inositol 1,4,5 trisphosphate 3 kinase B; IP3 3KB; IP3KB; IP3K B; IP3 3-kinase B; insP 3-kinase B; proliferation-inducing protein 37; inositol 1,4,5-trisphosphate 3-kinase B; IP3K; PIG37; IP3K-B; IP3-3KB;

Gene ID 3707

mRNA Refseq NM_002221

Protein Refseq NP_002212

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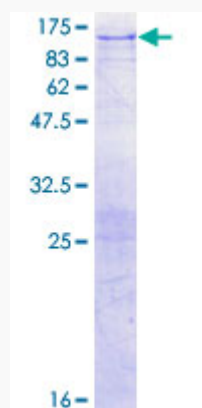
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MIM 147522

UniProt ID P27987

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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