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 RQQVVAAGTLSPPGPEEAKRKLRILQRELQNVQVNQKVGMFEAHIQAQSSAIQAPR SPRLGRAHSPSPCPFRSSSQPPGRVLVQGARSEERRTKSWGEQCPETSGTDSGR KGGPSLCSSQVKKGMPPLPGRAAPTGSEAQGPSAFVRMEKGIPASPRCGSPTAME IDKRGSPTPGTRSCLAPSLGLFGASLTMATEVAARVTSTGPHRPQDLALTEPSGRAR ELEDLQPPEALVERQGQFLGSETSPAPERGGPRDGEPPGKMGKGYLPCGMPGSG EPEVGKRPEETTVSVQSAESSDALSWSRLPRALASVGPEEARSGAPVGGGRWQLS

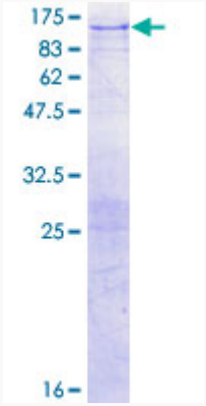
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	DRVEGGSPTLGLLGGSPSAQPGTGNVEAGIPSGRMLEPLPCWDAAKDLKEPQCPP GDRVGVQPGNSRVWQGTMEKAGLAWTRGTGVQSEGTWESQRQDSDALPSPELL PQDQDKPFLRKACSPSNIPAVIITDMGTQEDGALEETQGSPRGNLPLRKLSSSSASS TGFSSSYEDSEEDISSDPERTLDPNSAFLHTLDQQKPRV
Applications	Enzyme-linked Immunoabsorbent 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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MIM	147522
UniProt ID	P27987
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue

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