

Recombinant Full Length Human ITPK1 Protein, GST-tagged

Cat. No. ITPK1-5838HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITPK1 full-length ORF (AAH03622, 1 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	314 amino acids
Description	This gene encodes an enzyme that belongs to the inositol 1,3,4-trisphosphate 5/6-kinase family. This enzyme regulates the synthesis of inositol tetraphosphate, and downstream products, inositol pentakisphosphate and inositol hexakisphosphate. Inositol metabolism plays a role in the development of the neural tube. Disruptions in this gene are thought to be associated with neural tube defects. A pseudogene of this gene has been identified on chromosome X. [provided by RefSeq, Jul 2016]
Molecular Mass	60.28 kDa
AA Sequence	MQTFLKGKRVGYWLSEKKIKKLNQFAELCRKRGMEVVQLNLSRPIEEQGPLDVII HKLTDVILEADQNDQSLELVHRFQEYIDAHPETIVLDPLPAIRTLTDRSKSYELIRKIE AYMEDDRICSPPFMELTSLCGDDTMRLLKNGLTFFPFICKTRVAHGTNSHEMAIVFN QEGLNAIQPPCVVQNFNHNNAVLYKVFVVGESYTVVQRPSLKNFSAGTSDRESIFFN SHNVSKPESSSVLTLDKIEGVFERPSDEVIRELSRALRQALGVSLFGIDIINNQTGQ HAVIDINAFPGDCQVCFIEGWKTD

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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	ITPK1 inositol-tetrakisphosphate 1-kinase [Homo sapiens]
Official Symbol	ITPK1
Synonyms	ITPK1; inositol-tetrakisphosphate 1-kinase; inositol 1,3,4 triphosphate 5/6 kinase; ins(1,3,4)P(3) 5/6-kinase; inositol-triphosphate 5/6-kinase; inositol 1,3,4-triphosphate 5/6 kinase; inositol 1,3,4-trisphosphate 5/6 kinase; inositol 1,3,4-trisphosphate 5/6-kinase; ITRPK1;
Gene ID	3705
mRNA Refseq	NM_001142593
Protein Refseq	NP_001136065
MIM	601838
UniProt ID	Q13572

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