

Recombinant Human ITPK1 protein, GST-tagged

Cat. No. ITPK1-6743H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITPK1 protein(1-314 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	1-314 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	MQTFLKGKRVGYWLSEKKIKKLNFAFAELCRKRGMEVVQLNLSRPIEEQGPLDVII HKLTDVILEADQNDSQSLELVHRFQEYIDAHPETIVLDPLPAIRTLDRSKSYELIRKIE AYMEDDRICSPPFMELTSLCGDDTMRLLKNGLTFFPFICKTRVAHGTNSHEMAIVFN QEGLNAIQPPCVVQNFHNAVLYKVFFVVGESYTVVQRPSLKNFSAGTSDRESIFFN SHNVSKPESSSVLTELDKIEGVFERPSDEVIRELSRALRQALGVSLFGIDIINNQTGQ HAVIDINAFPGDCQVCFIEGWKTD
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

 Tel: 1-631-559-9269 1-516-512-3133

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repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

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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SDS-PAGE



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