

ITPK1 recombinant protein

ITPK1, 1-414aa, Human, His tag, E Coli

CATALOG # AAA48725	HOST E Coli	APPLICATIONS SDS-Page
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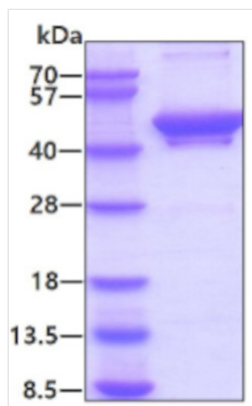
PRODUCT SYNONYMS

ITPK1; 1-414aa; Human; His tag; E Coli; Inositol-tetrakisphosphate 1-kinase; ITRPK1; ITPK1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol, 1mM EDTA
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MQTF LKGKRVGYWL SEKKIKKLNLF QAFaelCRKR GMEVVQLNLS RPIEEQGGLD VIIHKLTDVI LEADQNDQSQS LELVHRFQEY IDAHPETIVL DPLPAIRTLL DRSKSYELIR KIEAYMEDDR ICSPPFMELT SLCGDDTMRL LEKNGLTFPF ICKTRVAHGT NSHEMAIVFN QEGLNAIQPP CVVQNFNHN AVLYKVfVVG ESYTVVQRPS LKNFSAGTSD RESIFFNSHN VSKPESSSVL TELDKIEGVF ERPSDEVIRE LSRALRQALG VSLFGIDIII NNQTGQHAVI DINAFFGYEG VSEFFTDLLN HIATVLQGGQS TAMAATGDVA LLRHskLLAE PAGGLVGERT CSASPGCCGS MMGQDAPWKA EADAGGTAKL PHQRLGCNAG VSPSFQQHCV ASLATKASSQ
Sequence Length	414
Applicable Applications for ITPK1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Domain	1-414aa
Preparation and Storage	Can be stored at 2-8 degree C for up to 1 week. For long term storage, aliquot and store at -20 degree C to -80 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for ITPK1 recombinant protein	Inositol-tetrakisphosphate 1-kinase, also known as ITPK1, is a 414 amino acid monomer that belongs to the ITPK1 family and exists as two alternatively spliced isoforms. ITPK1 is found at highest levels in brain, followed by heart, skeletal muscle, kidney, pancreas, liver, placenta and lung. ITPK1 contains one ATP-grasp domain and has been found to phosphorylate various inositol polyphosphates and modify TNFalpha induced apoptosis. Recombinant human ITPK1 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for ITPK1 recombinant protein	Signal Transduction
References	Sun Y., et al. (2002) J Biol Chem. 277: 45759-45764; Chamberlain P P., et al. (2007) J Biol Chem. 282: 28117-28125.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21359894
NCBI GeneID	3705
NCBI Accession #	NP_055031
NCBI GenBank Nucleotide #	NM_014216.5
UniProt Accession #	Q13572 ; Q9BTL6 ; Q9H2E7
Molecular Weight	48.1 kDa (438aa), confirmed by MALDI-TOF
NCBI Official Full Name	inositol-tetrakisphosphate 1-kinase isoform a
NCBI Official Synonym Full Names	inositol-tetrakisphosphate 1-kinase
NCBI Official Symbol	ITPK1
NCBI Official Synonym Symbols	ITRPK1
NCBI Protein Information	inositol-tetrakisphosphate 1-kinase
UniProt Protein Name	Inositol-tetrakisphosphate 1-kinase
UniProt Gene Name	ITPK1
UniProt Synonym Gene Names	Inositol-triphosphate 5/6-kinase; Ins(1,3,4)P(3) 5/6-kinase

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/itpk1-recombinant-protein-e-coli-sds-page/48725>