

Inositol-Tetrakisphosphate 1-Kinase Human Recombinant

Item Number	rAP-1679
Synonyms	Inositol-tetrakisphosphate 1-kinase, Inositol 1,3,4-trisphosphate 5/6-kinase, Inositol-triphosphate 5/6-kinase, Ins(1,3,4)P(3) 5/6-kinase, ITPK1, ITRPK1.
Description	ITPK1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 438 amino acids (1-414 a.a) and having a molecular mass of 48.1kDa. ITPK1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q13572
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMQTFLK GKRVGWYWLSE KKIKKLNFA FAELCRKRGMEVVQLNLSRP IEEQGPLDVI IHKLTDVILE ADQNDSQSLE LVHRFQEYID AHPETIVLDP LPAIRTLTLLDR SKSYELIRKI EAYMEDDRIC SPPFMELTSL CGDDTMRLLE KNGLTFPFIC KTRVAHGTNS HEMAIVFNQEGLNAIQPPCV VQNFHNAV LYKVFVVGES YTVVQRPSLK NFSAGTSDRE SIFFNSHNVS KPESSSVLTE LDKIEGVFER PSDEVIRELS RALRQALGVS LFGIDIIINN QTGQHAVIDI NAFPGYEGVSEFFTDLLNHI ATVLQGGSTA MAATGDVALL RSKLLAEPAGGLVGERTCS ASPGCCGSMM GQDAPWKAEA DAGGTAKLPH QRLGCNAGVS PSFQQHCVAS LATAKASSQ.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	ITPK1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM EDTA. Greater than 95% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**