

32-3036: ITPK1 Recombinant Protein

Alternative Name : 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

Source : E.coli. 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. Inositol-tetrakisphosphate 1-kinase (ITPK1) is a 414 amino acid monomer which is a member of the ITPK1 family and exists as 2 alternatively spliced isoforms. ITPK1 highest levels are found in the brain, followed by the heart, skeletal muscle, kidney, pancreas, liver, placenta and lung. ITPK1 is comprised of one ATP-grasp domain and has been shown to phosphorylate various inositol polyphosphates and modify TNFa induced apoptosis.

Product Info

Amount : 20 µg

Purification : Greater than 95% as determined by SDS-PAGE.

Content : ITPK1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 10% glycerol and 1mM EDTA.

Storage condition : 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.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSHMQTFLK GKRVGWYWLSE KKIKKLNQFA FAELCRKRGMEVVQLNLSRP IEEQGPLDVI IHKLTDVILE ADQNDSQSLE LVHRFQEYID AHPETIVLDP LPAIRTLDDR SKSYELIRKI EAYMEDDRIC SPPFMELTSL CGDDTMRLLE KNGLTFPFIC KTRVAHGTNS HEMAIVFNQEGLNAIQPPCV VQNFHNAV LYKVFFVGES YTVVQRPSLK NFSAGTSDRE SIFFNSHNVS KPESSSVLTE LDKIEGVFER PSDEVIRELS RALRQALGVS LFGIDIIINN QTGQHAVIDI NAFPGYEGVS EFFTDLLNHIATVLQGQSTA MAATGDVALL RSHKLLAEPA GGLVGERTCS ASPGCCGSM GQDAPWKAEA DAGGTAKLPH QRLGCNAGVS PSFQQHCVAS LATKASSQ.

