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32-2473: ITPA Recombinant Protein

Alternative Name : EC 3.6.1.19, C20orf37,dJ794I6.3,HLC14-06-P,ITPase,My049,OK/SW-cl.9,Inosine Triphosphatase,ITPA.

Description

Source : Escherichia Coli. ITPA Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 215 amino acids (1-194 a.a.) and having a molecular mass of 23.7 kDa. The ITPA is fused to a 21 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. ITPA enzyme catalyzes the pyrophosphohydrolysis of both ITP (inosine triphosphate) and dITP (deoxyinosine triphosphate) to IMP (inosine monophosphate) and diphosphate. IMP is exercised as a substrate for purine nucleotide pathways. IMP is phosphorylated to ITP, and ITPA mediates the concentration of ITP in the cell by changing ITP back to IMP. Defects in ITPA result in ITPA deficiency which is thought to be inherited and is characterized by an over-accumulation of ITP in erythocytes, leukocytes and fibroblasts.

Product Info

Amount :	20 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The ITPA solution (1mg/ml) contains 20mM Tris-HCl pH-8 & 10% glycerol.
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 MMAASLVGKK IVFVTGNAKK LEEVVQILGD KFPCTLVAQK IDLPEYQGEP DEISIQKCQE AVRQVQGPVL VEDTCLCFNA LGGLPGPYIK WFLEKLKPEG LHQLLAGFED KSAYALCTFA LSTGDPSQPV RLFRGRTSGR IVAPRGCQDF GWDPCFQPDG YEQTYAEMPK AEKNAVSHRF RALLELQEYF GSLAA.

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