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32-2504: LHPP Recombinant Protein

Alternative Name : Phospholysine phosphohistidine inorganic pyrophosphate phosphatase,hLHPP,LHPP,HDHD2B.

Description

Source : Escherichia Coli. LHPP Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 307 amino acids (1-270) and having a molecular mass of 33.5kDa.LHPP is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Phospholysine phosphohistidine inorganic pyrophosphate phosphatase (LHPP) belongs to the HAD-like hydrolase superfamily. LHPP is an exceptional enzyme which hydrolyzes not only oxygen-phosphorus bonds in inorganic pyrophosphate but also nitrogen-phosphorus bonds in phospholysine, phosphohistidine and imidodiphosphate in vitro. LHPP is expressed in the liver, kidney and moderately in the brain.

Product Info

Amount :	10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The LHPP solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 10% glycerol and 0.1M NaCl.
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 :	MRGSHHHHHP WYASMTGGQQ MGRDLYDDDD KDRWGSHMAP WGKRLAGVRG VLLDISGVLY DSGAGGGTAI AGSVEAVARL KRSRLKVRFC TNESQKSRAE LVGQLQRLGF DISEQEVTAP APAACQILKE QGLRPYLLIH DGVRSEFDQI DTSNPNCVVI ADAGESFSYQ NMNNAFQVLM ELEKPVLISL GKGRYYKETS GLMLDVGPYM KALEYACGIK AEVVGKPSPE FFKSALQAIG VEAHQAVMIG DDIVGDVGGA QRCGMRALQV RTGKFRPSDE HHPEVKADGY VDNLAEAVDL LLQHADK.

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