

Recombinant Human LHPP, His-tagged

Cat. No. LHPP-28094TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human LHPP fused to an N terminal His and DDDDK tag, 307 amino acids predicted Mwt: 33.5 kDa inclusive of tags
Species	Human
Source	E.coli
ProteinLength	270 amino acids
Description	LHPP is a member of the HAD-like hydrolase superfamily. It is a unique enzyme that hydrolyzes not only oxygen-phosphorus bonds in inorganic pyrophosphate but also nitrogen-phosphorus bonds in phospholysine, phosphohistidine and imidodiphosphate in vitro.
Conjugation	HIS
Molecular Weight	33.500kDa inclusive of tags
Tissue specificity	Expressed in liver, kidney and moderately in brain.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 10% Glycerol, 0.32% Tris HCl, 0.02% DTT, 0.58% Sodium

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	chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MRGSHHHHP WYASMTGGQQ MGRDLYDDDD KDRWGSHMAP WGKRLAGVRG VLLDISGVLY DSGAGGGTAI AGSVEAVARL KRSRLKVRFC TNESQKSRAE LVGQLQRLGF DISEQEVTAPE APAACQILKE QGLRPYLLIH DGVRSEFDQI DTSNPNCVVI ADAGESFSYQ NMNNAFQVLM ELEKPVLI SL GKGRYYKETS GLMLDVGPYM KALEYACGIK AEVVGKPSPE FFKSALQAIG VEAHQAVMIG DDIVGDVGGGA QRCGMRALQV RTGKFRPSDE HHPEVKADGY VDNLAEAVDL LLQHADK
Sequence Similarities	Belongs to the HAD-like hydrolase superfamily.

GENE INFORMATION

Gene Name	LHPP phospholysine phosphohistidine inorganic pyrophosphate phosphatase [Homo sapiens]
Official Symbol	LHPP
Synonyms	LHPP; phospholysine phosphohistidine inorganic pyrophosphate phosphatase; HDHD2B;
Gene ID	64077
mRNA Refseq	NM_022126
Protein Refseq	NP_071409

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Uniprot ID	Q9H008
Chromosome Location	10q26.2
Pathway	Oxidative phosphorylation, organism-specific biosystem; Oxidative phosphorylation, conserved biosystem;
Function	hydrolase activity; inorganic diphosphatase activity; magnesium ion binding; phosphohistidine phosphatase activity; protein homodimerization activity;

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