

# Recombinant Human Phospholysine PhosphoHistidine Inorganic Pyrophosphate Phosphatase, His-tagged

**Cat. No.** LHPP-1319H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human LHPP protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	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. LHPP is expressed in liver, kidney and moderately in brain.
<b>Form</b>	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1 M NaCl.
<b>Molecular Weight</b>	33.5 kDa (307 aa) confirmed by MALDI-TOF
<b>Purity</b>	> 90 % by SDS-PAGE
<b>Concentration</b>	1 mg/ml (determined by Bradford)
<b>Sequences of amino acids</b>	MRGSHHHHP WYASMTGGQQ MGRDLYDDDD KDRWGSHMAP WGKRLAGVVRG VLLDISGVLY DSGAGGGTAI AGSVEAVARL KRSRLKVRFC TNESQKSRAE LVGQLQRLGF DISEQEV TAP APAACQILKE QGLRPYLLIH DGVRSEFDQI

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DTSNPNCVVI ADAGESFSYQ NMNNAFQVLM ELEKPVLSL GKGRIYKETS  
 GLMLDVGPYM KALEYACGIK AEVVGKPSPE FFKSALQAIG VEAHQAVMIG  
 DDIVGDVGGG QRCGMRALQV RTGKFRPSDE HHPEVKADGY VDNLAEAVDL  
 LLQHADK

**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**Pathways** Oxidative phosphorylation

## GENE INFORMATION

**Gene Name** [LHPP phospholysine phosphohistidine inorganic pyrophosphate phosphatase \[ Homo sapiens \]](#)

**Official Symbol** [LHPP](#)

**Synonyms** LHPP; phospholysine phosphohistidine inorganic pyrophosphate phosphatase; HDHD2B; FLJ44846; FLJ46044; MGC117251; MGC142189; MGC142191; phospholysine phosphohistidine inorganic pyrophosphate phosphatase; Hlhpp; OTTHUMP00000020691; OTTHUMP00000020692; OTTHUMP00000020693; NP\_001161352.1; EC 3.6.1.1

**Gene ID** [64077](#)

**mRNA Refseq** [NM\\_001167880](#)

**Protein Refseq** [NP\\_001161352](#)

**UniProt ID** [Q9H008](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Chromosome**

10q26.2

**Location**

**Function**

hydrolase activity; inorganic diphosphatase activity; magnesium ion binding; phosphohistidine phosphatase activity; protein homodimerization activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA