

**AR50144PU-S****Human LHPP (1-270, His-tag) - Purified**

<b>Alternate names:</b>	HDHD2B, phospholysine phosphohistidine inorganic pyrophosphate phosphatase
<b>Quantity:</b>	50 µg
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)
<b>Background:</b>	Phospholysine phosphohistidine inorganic pyrophosphate phosphatase, also known as 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>Uniprot ID:</b>	<a href="#">B3KP20</a>
<b>NCBI:</b>	<a href="#">NP_071409.2</a>
<b>GeneID:</b>	<a href="#">64077</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl
<b>Description:</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>AA Sequence:</b> MRGSHHHHHP WYASMTGGQQ MGRDLYDDDD KDRWGSHMAP WGKRLAGVRG VLLDISGVLY DSGAGGGTAI AGSVEAVARL KRSRLKVRFC TNESQKSRAE LVGQLQRLGF DISEQEV TAP APAACQILKE QGLRPYLLIH DGVRSEFDQI DTSNPNCVVI ADAGESFSYQ NMNNAFQVLM ELEKPVLLISL GKGRYYKETS GLMLDVGPPYM KALEYACGIK AEVVGKPSPE FFKSALQAIG VEAHQAVMIG DDIVGDVGGGA QRCGMRALQV RTGKFRPSDE HHPEVKADGY VDNLAEAVDL LLQHADK <b>Molecular weight:</b> 33.5 kDa (307aa) confirmed by MALDI-TOF
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Neff C D., et al. (2009) Mol Psychiatry. 14:621-630.Chen L., et al. (2005) Front Biosci. 10:1961-1976.

Pictures:

