

**LHPP, 1-270aa, Human, His tag, E.coli**

**Cat.NO.: TP02822**

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3th Edition

**Synonyms:**Phospholysine phosphohistidine inorganic pyrophosphate phosphatase, HDHD2B.

**Description:**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

**Molecular Weight:**33.5 kDa (307aa) confirmed by MALDI-TOF

**Sequences:**

MRGSHHHHPWYASMTGGQQMGRDLYDDDDKDRWGSHMAPWVGKRLAGVRGVLLDISGVLYDSGAGGGTAIAG  
SVEAVARLKRSRLKVRFCTNESQKSRAELVGQLQRLGFDISEQEVTAPAPAACQILKEQGLRPYLLIHDGVRSEFDQ  
IDTSNPNCVVIADAGESFSYQNMNNAFQVLMELEKPVLIISLGKGRYYKETSGLMLDVGPYMKALEYACGIKAEVVG  
KPSPEFFKSALQAIGVEAHQAVMIGDDIVGDVGGQAQRCGMRALQVRTGKFRPSDEHHPEVKADGYVDNLAEAVDL  
LLQHADK

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.