

LHPP Protein, Human (His-SUMO)

Cat. No.:	HY-P71632
Synonyms:	FLJ44846; FLJ46044; HDHD2B; hLHPP; lhpp
Species:	Human
Source:	E. coli
Accession:	Q9H008 (M1-K270)
Gene ID:	64077
Molecular Weight:	Approximately 45.2 kDa

PROPERTIES

AA Sequence	<p> M A P W G K R L A G V R G V L L D I S G V L Y D S G A G G G T A I A G S V E A V A R L K R S R L K V R F C T N E S Q K S R A E L V G Q L Q R L G F D I S E Q E V T A P A P A A C Q I L K E Q G L R P Y L L I H D G V R S E F D Q I D T S N P N C V V I A D A G E S F S Y Q N M N N A F Q V L M E L E K P V L I S L G K G R Y Y K E T S G L M L D V G P Y M K A L E Y A C G I K A E V V G K P S P E F F K S A L Q A I G V E A H Q A V M I G D D I V G D V G G A Q R C G M R A L Q V R T G K F R P S D E H H P E V K A D G Y V D N L A E A V D L L L Q H A D K </p>
Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm sterile filtered PBS, 6% Trehalose, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	LHPP Protein is a phosphatase with the capacity to hydrolyze imidodiphosphate, 3-phosphohistidine, and 6-phospholysine, showcasing broad substrate specificity. Additionally, it possesses the ability to hydrolyze inorganic diphosphate, albeit with lower efficiency.
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Caution: Product has not been fully validated for medical applications. For research use only.

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