

Product datasheet for **SC328325**

LHPP (NM_001167880) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LHPP (NM_001167880) Human Untagged Clone
Tag:	Tag Free
Symbol:	LHPP
Synonyms:	HDHD2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328325 representing NM_001167880. Blue=Insert sequence Red=Cloning site Green=Tag(s)

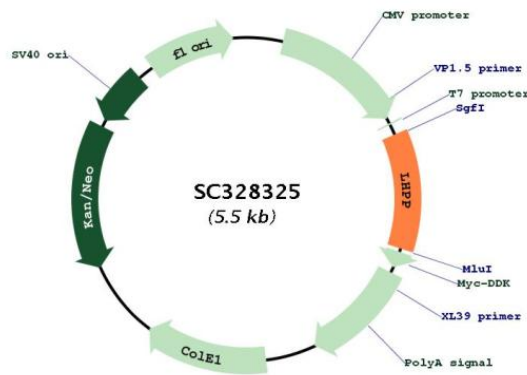
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCACCGTGGGGCAAGCGGCTGGCTGGCGTGC CGGGGTGCTGCTTGACATCTCGGGCGTGCTGTAC
GACAGCGGCGGGCGGGCGGCACGGCCATCGCCGGCTCGGTGGAGGCGGTGGCCAGACTGAAGCGTTCC
CGGCTGAAGGTGAGGTTCTGCACCAACGAGTCGCAGAAGTCCCGGGCAGAGCTGGTGGGGCAGCTTCAG
AGGCTGGGATTTGACATCTCTGAGCAGGAGGTGACCGCCCGGCACCAGCTGCCTGCCAGATCCTGAAG
GAGCAAGGCTGCGACCATACCTGCTCATCCATGACGGAGTCCGCTCAGAATTTGATCAGATCGACACA
TCCAACCAAACGTGTGTTAATTGCAGACGCAGGAGAAAGCTTTTCTTATCAAAACATGAATAACGCC
TTCCAGGTGCTCATGGAGCTGGAAAAACCTGTGCTCATATCACTGGGAAAAGGGCGTTACTACAAGGAG
ACCTCTGGCCTGATGCTGGACGTTGGTCCCTACATGAAGGCGCTTGAGTATGCCTGTGGCATCAAAGCC
GAGGTGGTGGGAAGCCTTCTCCTGAGTTTTTCAAGTCTGCCCTGCAAGCGATAGGAGTGAAGCCCA
CAGGCCAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM_001167880

Insert Size: 633 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001167880.1](#)

RefSeq Size:	1611 bp
RefSeq ORF:	633 bp
Locus ID:	64077
UniProt ID:	Q9H008
Cytogenetics:	10q26.13
Protein Families:	Druggable Genome
Protein Pathways:	Oxidative phosphorylation
MW:	22.7 kDa
Gene Summary:	<p>Phosphatase that hydrolyzes imidodiphosphate, 3-phosphohistidine and 6-phospholysine. Has broad substrate specificity and can also hydrolyze inorganic diphosphate, but with lower efficiency (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an exon in the coding region, which results in a frameshift and an early stop codon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1.</p>