

Product datasheet for **RG213279**

LHPP (NM_022126) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LHPP (NM_022126) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LHPP
Synonyms:	HDHD2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213279 representing NM_022126 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCACCGTGGGGCAAGCGGCTGGCTGGCGTGC CGGGGTGCTGCTTGACATCTCGGGCGTGCTGTACG
ACAGCGGCGGGCGGCCGCGCACGGCCATCGCCGGCTCGGTGGAGGCGGTGGCCAGACTGAAGCGTTC
GCTGAAGGTGAGGTTCTGCACCAACGAGTCGCAGAAGTCCCGGGCAGAGCTGGTGGGGCAGCTTCAGAGG
CTGGGATTTGACATCTCTGAGCAGGAGGTGACCGCCCCGGCACCAGCTGCCTGCCAGATCCTGAAGGAGC
GAGGCCTGCGACCATACCTGCTCATCCATGACGGAGTCCGCTCAGAATTTGATCAGATCGACACATCCAA
CCCAAACCTGTGTGTAATTGCAGACGCAGGAGAAAGCTTTTCTTATCAAACATGAATAACGCCTTCCAG
GTGCTCATGGAGCTGGAAAAACCTGTGCTCATATCACTGGGAAAAGGGCGTTACTACAAGGAGACCTCTG
GCCTGATGCTGGACGTTGGTCCCTACATGAAGGCGCTTGAGTATGCCTGTGGCATCAAAGCCGAGGTGGT
GGGGAAGCCTTCTCTGAGTTTTTCAAGTCTGCCCTGCAAGCGATAGGAGTGGAAGCCCACCAGGCCGTC
ATGATTGGGGACGATATCGTGGGCGACGTCGGCGGTGCCAGCGGTGTGGAATGAGAGCGCTGCAGGTGC
GCACCGGGAAGTTCAGGCCAGTGACGAGCACCATCCGGAAGTGAAGGCTGATGGTACGTGGACAACT
CGCAGAGGCAGTGGACCTGCTGCTGCAGCACGCCGACAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG213279 representing NM_022126
Red=Cloning site Green=Tags(s)

MAPWGKRLAGVRGVLDDISGVL YDSGAGGGTAIAGSVEAVARLKRSRLKVRFC TNESQKSRAELVGQLQR
 LGFDISEQEV TAPAPAAQCILKERGLRPYLLIHDGVRSEFDQIDTSNPNCVVIADAGESFSYQNMNNAFQ
 VLMELEKPV 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

TRTRPLE - GFP Tag - V

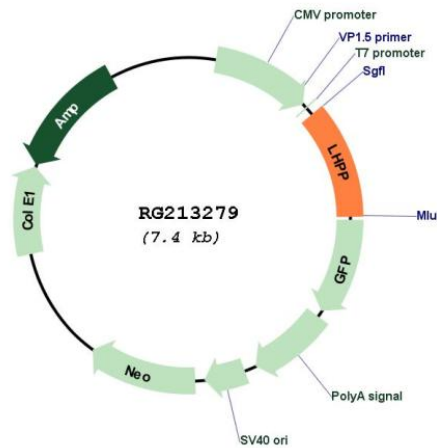
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_022126

ORF Size: 810 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_022126.1
RefSeq Size:	1613 bp
RefSeq ORF:	813 bp
Locus ID:	64077
UniProt ID:	Q9H008
Cytogenetics:	10q26.13
Domains:	Hydrolase
Protein Families:	Druggable Genome
Protein Pathways:	Oxidative phosphorylation
Gene Summary:	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]