

Product datasheet for MR214963

Lhpp (NM_029609) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lhpp (NM_029609) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lhpp
Synonyms:	2310007H09Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214963 representing NM_029609 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGCATGGGCTGAGCGGCTGACGGGCGTGCAGGGAGTGCTGCTTGACATCTCCGGGTGCTATGTG
ATAGCAGCGCAAGCGGTGCAACCGCTATCGCAGGCTCTGTGGAGGCGTGGCGAGACTGAAACAGTCCCC
GCTGAAAGTGAGGTTCTGTACCAATGAGTCCCAGAAATCCCTGAGAGAGCTGGTGGGGTCTTCAGCAG
CTGGGGTTTGACATCTCAGAAGAAGAGGTGACTGCCCCGCACCAGCCACCTGCCAGATCCTGAAGGAGC
GAGGCCTGCGGCCACACTTGCTTATCCATGAAGGAGTCCGCTCAGAATTTGATGACATCGATATGTCCAA
CCCAAAGTGTGGTATTGCGGATGCTGGGAGGCCTTTTCTATCAGAACATGAACAGAGCCTTCCAG
GTGCTAATGGAGCTGGAAAACCCGTGCTCATATCCCTGGGAAAAGGACGCTATTACAAGGAGACCTCTG
GCCTGATGCTGGACGTTGGAGGTTACATGAAGGCGCTCGAGTATGCCTGTGGTATCAAGGCTGAAGTGGT
GGGGAACCCCTCCCCTGAGTTCTTCAAGTCTGCTCTACAAGCCATAGGGGTGGAAGCCCACCAGGCCATC
ATGATTGGCGATGACATCGTGGGTGACGTTGGCGGTGCCAGCAGTGTGGAATGAGAGCTCTGCAGGTGC
GGACCGGGAAGTTCAGGCCTGGTATGAGCATCATCCAGAAGTACAGGCAGATGGGTACGTGGACAACCT
TGCGGAGGCTGTGGATCTGCTGCTGAAGTACACGGACAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR214963 representing NM_029609
Red=Cloning site Green=Tags(s)

MAAWAERLTGVRGVLLDISGVLCDSSASGATAIAGSVEAVARLKQSPLKVRVFNESQKSLRELVGVLQQ
 LGFDISEEEVTAPAPATCQILKERGLRPHLLIHEGVRSEFDDIDMSNPNCVVIADAGEAFSYQNMNRAFQ
 VLMELNPVLIISLGKGRYYKETSGLMLDVGGYMKALEYACGIKAEVVGKPSPEFFKSALQAIGVEAHQAI
 MIGDDIVGDVGGAAQCCGMRALQVRTGKFRPGDEHHPEVQADGYVDNLAEAVDLLLKYTDK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_029609

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:

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_029609.1](#), [NP_083885.1](#)

RefSeq Size: 1607 bp

RefSeq ORF: 813 bp

Locus ID: 76429

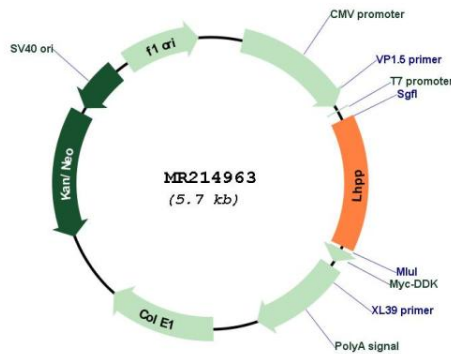
UniProt ID: [Q9D7I5](#)

Cytogenetics: 7 F3

MW: 29.6 kDa

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]

Product images:



Circular map for MR214963