

Product datasheet for **RR203755**

Lhpp (NM_001009706) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lhpp (NM_001009706) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lhpp
Synonyms: MGC95092
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203755 representing NM_001009706
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCCGCGTGGGCTGAGCGGCTGTGGGGCGTACGGGGGTGCTGCTTGATATCTCCGGCGTGTGTATG
ACAGCGGCACAGGCGCGGAGCTGCTATTGCAGGCTCTGTGGAGGCGGTGGCGAGACTGAAACGGTCCCC
GCTGAAAGTGAGATTCTGCACCAATGAGTCCCAGAAGTCCGGCGAGAGCTGGTGGGGTGCTTCAGCGG
CTGGGGTTTGACATCTCAGAAGGAGAGGTGACTGCCCTGCGCCAGCCACCTGCCAGATCCTGAAGGAGC
GAGGCCTGCGGCCACACTTACTCATCCATGAAGGAGTCCGCTCAGAATTCGATGACATTGATATGCCAA
CCCAAAGTGTGGTGTGCGGATGCTGGGGAAGGCTTTTCTATCAGAATATGAACAGAGCCTTCCAA
GTGCTGATGGAGCTGGAAAACCCGTGCTCATATCCCTGGGAAAAGGACGCTATTACAAGGAGACCTCTG
GCCTGATGCTGGATGTTGGAGGTTACATGAAGGCACTCGAGTATGCCTGTGGTATCGAGGCTGAAGTGGT
GGGGAACCCCTCCCCTGAGTCTTCAGGTCTGCTCTGCAAGCCATAGGGGTGGAAGCCACCAGGCCATC
ATGATTGGCGATGACATCGTGGGTGACGTTGGCGGTGCCAGCAGTCCGGAATGAGAGCTCTGCAGGTGC
GGACCGGAAGTTCAGGCCTGGCGATGAGCACCATCCAGAAGTGAAGGCGAGATGGGTACGTGGACAACCT
TGCAGAAGCCGTGGACCTGCTGCTGCAGCACATGGACAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR203755 representing NM_001009706
Red=Cloning site Green=Tags(s)

MAAWAERLSGVRGVLDDISGVL YDSGTGGGAAIAGSVEAVARLKRSPKVRFC TNESQKSRREL VGLVQR
 LGFDISEGEV TAPATCQILKERGLRPHLLIHEGVRSEFDDIDMSNPNCVVIADAGEGFSYQNMNRAFQ
 VLMELNPVLI SLGKGRYYKETSGLMLDVGGYMKALEYACGIEAEVVGKPSPEFFRSALQAIGVEAHQAI
 MIGDDIVGDVGG AQCGMRALQVRTGKFRPGDEHHPEVRADGYVDNLAEAVDLLLQHMDK

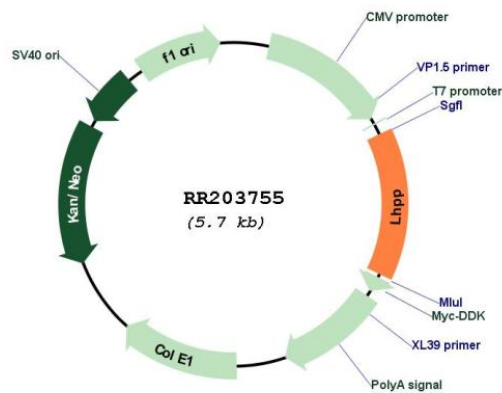
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001009706
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_001009706.1 , NP_001009706.1
RefSeq Size:	1687 bp
RefSeq ORF:	813 bp
Locus ID:	361663
UniProt ID:	Q5I0D5
Cytogenetics:	1q41
MW:	29.2 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]