

Product datasheet for **MR224782**

Lpp (NM_001145954) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lpp (NM_001145954) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lpp
Synonyms:	9430020K16Rik; AA959454; AU024130; B130055L10Rik; C79715; D630048H16
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR224782 representing NM_001145954
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTACTGGGAAAGTAGGGCATGCCTGAAGAGGAGCACTGGAACACTGAAGGGCTCTGCTAGTT
 CAATAGCCTCTCCTCCAGTTTCTACTCCTGTACAGGACATAAGAGAATGGTCATTCCACAGCAGCCACC
 CCTGACAGCAACCAAGAAGTCCGCAACAAAACACAGCCTGCACCCAGGCTGCACCCATCCCAGTGACT
 CCAATTGGAACACTCAAACCCAGCCTCAGCCAGTTCCAGCCTCTATACTACGGCATCCACATCTTCAA
 GGCCACCTTTAATGTGCAAGTGAAGTCAGCTCAGCCAGCCACATTACATGGCTGGTCCATCCTCTGG
 ACAATATATGGTCCAGGGCCTCGTGGCTATAACAACCAGCCAGTTCTGTATCGGGACAGTGTCTCTCT
 CCTCCAACCTGTGTTGGTACCGACTATGCATATATTCCACCATCTGGACATCCGCCTGAGTCTGGATATG
 GGTATACCTCAAACCAAGGACGCTATTATGAACCTTACTATGCAGCAGGTCTAGCTATGGGGCCGAAG
 TGAAGGTGATACTGCTTATGGGCAACAGGTTCAACCTAATACCTGGAAGCGGGAAGCTGCGTATGCCCT
 CCTGCAAGCGGGAATCAGAACCATCCTGGCATGTATCCAGTCAGTGGCCCAAGAAGACCTATATCACAG
 ACCCTGTTTCAGCGCCCTGTGCACCACCACTGCAGCCAAAGGGTGGATACCCTGGGCCTATGGGGCTCC
 TTCCATCCCCCATCATTCCGCCAGAAGATGAGCTCGAACACTTGACCAAGAAGATGCTGTATGACATG
 GAGAACCACCCGCTGACGATTACTTTGGCCGTTGTGCCCGCTGTGGGAAAATGTTGTTGGAGAAGGAA
 CAGGATGTACTGCCATGGATCAGGTCTTCCACGTGGATTGCTTACCTGCATTGTCTGTGATGTCAAGCT
 CCGAGGGCAGCCTTTCTATGCCGTGGAGAAGAAGGCATACTGCGAGCCCTGCTACATTAATACCTGGAG
 CAGTGCAGTGTGTGTTTGAAGCCCATCATGGAGCGGATCCTCCGTGCCACCGGGAAGGCCTACCACCCCT
 ACTGCTCACCTGCGTGTGTGCCACCGTAGCCTGGACGGCATCCCATTTACTGTGGATGCTTGGCGTCT
 CATTCACTGCATTGAGGACTTCCACAAGAAATTTGCCCGCGCTGTTCTGTGTGCAAGGAACCTATCATG
 CCAGCCCCAGGCCAGGAGGAGACTGTCCGATTGTGGCTCTGGACCGTATTTCCATGTGCACTGCTATC
 GCTGTGAGGACTGTGGTGTCTTCTGTCCGAAGGAGACAACCAAGGCTGTACCCCTGGATGGACACAT
 TCTCTGTAAGACCTGCAACTCGGCTCGCATCAGGGTCTTGACGGCAAGGCAAGCAAGCACTGACCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224782 representing NM_001145954
 Red=Cloning site Green=Tags(s)

MELLGKVGACLKRSTGLTKGSASSIASPPVSTPVTGHKRMVIPQQPPLTATKKSATKPQPAPQAAPIPVT
 PIGTLKPQPVPASYYTASTSSRPTFNVQVKSAPSPHYMAGPSSGQIYGPGRYNNQVVPVSGQCPP
 PPTCVGTDYAYIPPSGHPPESGYYSNQGRIYEPYAAAGPSYGRSEGDYAGQQVQPNWREAAAYAP
 PASGNQNHGMPYVSGPKKTYITDPVSAPCAPPLQPKGGYPGMPGPPSIPPSFRPEDELEHLTKMLYDM
 ENPPADDYFGRCARCGENVVGEVGTAMDQVHVDFCTIVCDVKLRGQPFYAVEKKAYCEPCYINTLE
 QCSVCSKPIMERILRATGKAYHPHCFCTVMCHRSLDGIPTVDACGLIHCIEDFHKKFAPRCSVCKEPI
 PAPGQEETVRIVALDRDFVHVCYRCEDCGGLLSEGDNQCYPLDGHILCKTCNSARIRVLTAKASTDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

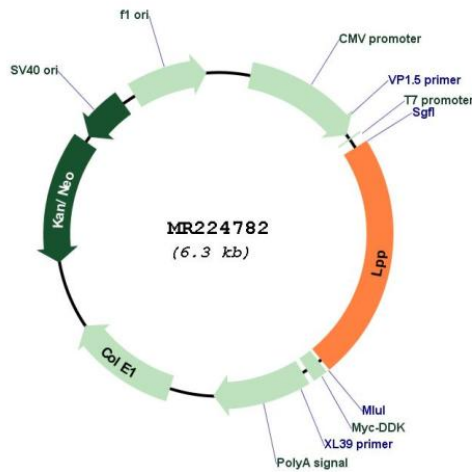
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001145954

ORF Size: 1464 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_001145954.1](#), [NP_001139426.1](#)

RefSeq Size: 14876 bp

RefSeq ORF: 1467 bp

Locus ID: 210126

UniProt ID: [Q8BFW7](#)

Cytogenetics: 16 B1

MW: 53 kDa

Gene Summary: May play a structural role at sites of cell adhesion in maintaining cell shape and motility. In addition to these structural functions, it may also be implicated in signaling events and activation of gene transcription. May be involved in signal transduction from cell adhesion sites to the nucleus allowing successful integration of signals arising from soluble factors and cell-cell adhesion sites. Also suggested to serve as a scaffold protein upon which distinct protein complexes are assembled in the cytoplasm and in the nucleus (By similarity).
[UniProtKB/Swiss-Prot Function]