

Product datasheet for MR221950

Lipa (NM_021460) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lipa (NM_021460) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lipa
Synonyms: AA960673; Lal; Lip-1; Lip1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR221950 representing NM_021460
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAACTCCAGGGCCTGGTGTTTCGTTTTACCATTGGGATCCTGCTTTCTCGGGTCCCCACGGAACTG
 TATCAGCTGTGGATCCTGAAGTCAACATGAATGTACCGAGATAATCATGCGCTGGGGATATCCTGGTGA
 GGAACACTCGGTCCTGACAGGAGATGGCTATATTCTGAGTATCCCGAATCCCTCGTGGCGGAAGAAC
 CATTGGCAAAGTCCCAGACCAGTTGTGTATCTTCAGCACGGCTTGCTGGCAGATTCTAGTAAGTGGG
 TCACAAACATTGACAACAGCAGCTTGGGCTTCTCCTGGCGGATGCTGGCTTTGATGTGTGGATGGGAAA
 CAGCAGAGGAAACACCTGGTCTCTGAAGACAAGACTCTTTCAGTTTCTCAGGATGAGTTCTGGGCCTTC
 AGTTTTGATGAGATGGCAAAATATGACCTACCTGCTTCAATTAACATACATTTTGAATAAACTGGCCAAG
 AACAAATCTATTATGTGGGTCAATCTCAAGGCTGCACCATAGGTTTCATAGCTTTTTACAGATGCCTGA
 GTTGGCAAAGAAGATTAAATGTTTTAGTCTTGGCTCCCGTGTGTCTCTCAATTTTGCTTCAGGCCCG
 CTACTTCAATTGGGACGCTTGCCAGACCCTCTTCAAGGACATGTTGGACAGAAGCAATTTCTCCCTC
 AGAGTGCATGCTGAAGTGGCTGAGCATTACGTTTGCACCCACGTCATCATGAAGGAGCTTTGCGCAA
 CGTCTTCTCTGCTATGTGGCTTCAATGAGAAGAATTTAAATATGTCTAGAGTGGATGTGTATAACA
 CACTGCCCTGCGGAACTTCTGTGCAAAACATGTTACACTGGGGTCAAGTTTTAAATACCGTAAGCTTC
 AAGTTTTGACTGGGGAAGCAGTGAAGAATTTTTCATTACAACCAGAGTTTTCTCCCTCGTACAA
 CATAAAAAACATGCGTCTACCCACTGCTTTGTGGAGCGGGGCGGGACTGGCTGGCAGACATCAATGAC
 ATCACTATCTTACTGACTCAAATCCCCAAGTTGGTGTATCACAAGAACATTCTGAGTGGGACCATCTGG
 ATTTTATCTGGGTTTGGATGCCCCCTGGAACCTGTATGATGAAATAATCAGTCTAATGAAGAAATACCA
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR221950 representing NM_021460
Red=Cloning site Green=Tags(s)

MQLQGLVFVFTIGILLSRVPTGTVSAVDPEVMNMVTEIIMRWGYPGEEHSLVTGDGYILSIHRIPRGRKN
 HFGKGPRPVVYLQHGLLADSSNVTNIDNSSLGFLADAGFDVWGMNSRGNTWSLKHKTLVSQDEFWAF
 SFDEMAKYDLPASINYILNKTGQEIQIYYVGHSSQGCTIGFIAFSQMPELAKKIKMFLVLAPVLSLNFASGP
 LLQLGRLPDPLKDMFGQKQFLPQSAMLKWL SIHVCTHVIMKELCANVFFLLCGFNEKLNMSRVDVYTT
 HCPAGTSVQNMLHWGQVFKYRKLQAFDWGSSEKNYFHYNQSFPPSYNIKNMRLPTALWSGGRDWLADIND
 ITILLTQIPKLVYHKNIPEWDHLDFIWGLDAPWKLYDEIISLMKKYQ

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_021460

ORF Size: 1191 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_021460.3](#), [NP_067435.3](#)

RefSeq Size: 2991 bp

RefSeq ORF: 1194 bp

Locus ID: 16889

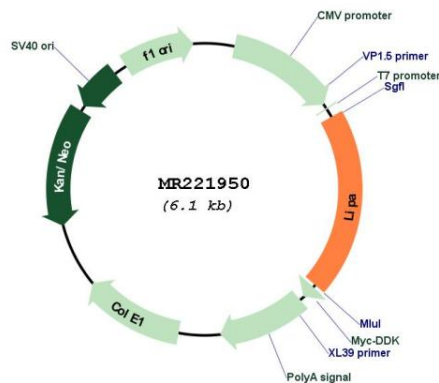
UniProt ID: [Q9Z0M5](#)

Cytogenetics: 19 C1

MW: 45.3 kDa

Gene Summary: Crucial for the intracellular hydrolysis of cholesteryl esters and triglycerides that have been internalized via receptor-mediated endocytosis of lipoprotein particles. Important in mediating the effect of LDL (low density lipoprotein) uptake on suppression of hydroxymethylglutaryl-CoA reductase and activation of endogenous cellular cholesteryl ester formation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221950