

Product datasheet for **RN205991**

Lpl (NM_012598) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lpl (NM_012598) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lpl
Synonyms:	MGC93586
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205991 representing NM_012598
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGAGCAAAGCCCTGCTCCTGGTGGCCCTGGGAGTTGGCTCCAGAGTTTGACCGCCTTCCGCGGAG
 GGGTGGCCGACGACAGACGGGGGAAGAGATTTCTCAGACATCGAAAGTAAATTTGCCCTAAGGACCCCTGA
 AGACACAGCTGAGGACACTTGTCTATCTGATTCTGGATTAGCAGACTCTGTGTCTAACTGCCACTTCAAC
 CACAGCAGCAAAACCTTTGGTGGTATCCATGGATGGACGGTGACAGGAATGTATGAGAGTTGGTGCCCA
 AACTTTGGTGGTGCCTATACAAAAGAGAACCTGACTCCAATGTCATTGTAGTAGACTGGTTGTATCGGGC
 CCAGCAACATTATCCAGTGTCTGCCGGCTATACCAAGCTGGTGGGAAATGATGTGGCCAGGTTTCATCAAC
 TGGTTGGAGGAAGAATTTAACTACCCCTAGACAAATGTCCACCTTAGGGTACAGTCTTGGAGCCCATG
 CTGCTGGCGTGGCAGGAAGTCTGACCAACAAGAAGGTCAATAGAATTACTGGCTTGGATCCAGCTGGCC
 TAACTTTGAGTATGCAGAAGCCCTAGTCGCCTTTCTCCTGATGATGCGGATTTCTGATAGTCTTACAC
 ACATTTACCAGGGGGTCCGCTGGTCAAGTATTGGGATCCAGAAACAGTAGGGCATGTTGATATTTATC
 CCAATGGAGGCATTTCCAGCCAGGATGCAACATTGGAGAAGCCATTCGTGTAATTGCAGAGAAGGGGCT
 TGGAGATGTGGACCAGCTGGTGAAGTGCTCGCACGAGCGCTCCATCCATCTTTCATTGACTCCCTGCTG
 AATGAAGAAAACCCAGCAAGGCATACAGGTGCAATTCGAAGGAGGCATTTGAGAAAGGGCTCTGCCTGA
 GTTGACAGAAAGATCGCTGTAACAACGTGGGCTATGAGATCAACAAGGTGACAGCCAGAGAAAGCAGTAA
 GATGTACCTGAAGACTCGCTCTCAGATGCCCTACAAAGTATTCCATTACCAAGTCAAGATTCACCTTTCT
 GGAAGTGAAGTGAACAAGCAAAACAACCCAGGCTTCGAGATTTCTGTATGGCACAGTGGCTGAAAGTG
 AGAACATTCCTTACCCTGCCGGAGGTGCCACAAATAAAACCTACTCCTTCTGATTTACACGGAGGT
 GGACATCGGGGAATTGCTGATGATGAAGCTTAAGTGGAAGAACGACTCCTACTTCCGCTGGTCAGACTGG
 TGGAGCAGTCCCAGCTTTGTCATCGAGAAGATCCGAGTGAAGCCGGAGAGACTCAGAAAAGGTATCT
 TCTGTGCCAGGGAGAAAGTTTCTCATCTGCAGAAAGGAAAGGACGCTGCAGTGTGTGAAATGCCATGA
 CAAGTCTCTGAAGAAGTCGGGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2028_e10.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012598

Insert Size: 1425 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](#)

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:	<u>NM_012598.2</u> , <u>NP_036730.1</u>
RefSeq Size:	3055 bp
RefSeq ORF:	1425 bp
Locus ID:	24539
UniProt ID:	<u>Q06000</u>
Cytogenetics:	16p14
Gene Summary:	lipase that hydrolyzes triglycerides; may be involved in the development of development of hypertriglyceridemia [RGD, Feb 2006]