

Product datasheet for **MC200824**

Lipe (NM_001039507) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipe (NM_001039507) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lipe
Synonyms:	4933403G17Rik; HSL
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC021642 sequence for NM_001039507
 CCACGCGTCCGGCTTGGGGAGCTCCAGTCGGAAGAGGCCAGGGAGGGCCTCAGCGTTCTCACACAGCATG
 GATTTACGCACGATGACACAGTCGCTGGTGACACTCGCAGAAGACAATATGGCCTTCTTCTCAAGCCAGG
 GCCCAGGAGAGACAGCACGGCGGCTGTCTAATGTCTTTGCAGGTGTTGGGAACAGGCACTGGGGCTGGA
 ACCAACCTAGGCCAACTGTTGGGTGTGGCACACCATTTGACCTGGACACAGAGACACCAGCCAACGGA
 TACCGTAGTTTGGTGCACACAGCCCGATGCTGCCTGGCACACCTACTACACAAATCCCGCTATGTGGCTT
 CTAAACCGCAAAAGTATCTTCTCCGTGCCAGCCACAACCTAGCAGAGCTGGAGGCCTACCTGGCCGCCCT
 CACCCAGCTCCGTGCTATGGCCTACTATGCCAGCGCCTGCTGACCATCAACCGACAGGAGTGCTCTTC
 TTCGAGGGTGATGAAGGACTCACCGCTGACTTCTGCAAGAGTATGTCACGCTACACAAAGGCTGCTTCT
 ACGGCCGCTGCCTGGGCTTCCAGTTCACACCTGCCATCCGGCCGTTCTGCAGACTCTCTCCATCGGGCT
 GGTGTCTTCCGGGAGCACTACAAACGCAACGAGACAGGCCTCAGTGTGACCGCCAGTTCCTCTTTACC
 GGTGGCCGATTGCCATAGACCCAGAGTTGCGTGGGGCTGAATTTGAACGCATCATAAGAACTGGATG
 TGCCTTCTGAAAGCCTTCTGGAACATCACTGAGATTGAGGTGCTGTCGCTCTGGCCAACATGGCATC
 AACCACTGTGAGGTAAGCCGCTGCTCAGCTTGGCACACAGGGACCAGCTCCTGTGCTAGCCAGGCTCA
 CCCAGGCTCACAGTTACCATCTCACCTCCCTTGGCACACAGGGACCAGCTCCTGTGCTAGCCAGGCTCA
 TCTCTATGACCTACGGGAAGGACAGGACAGCAAGGTAAGTCAACAGCCTGGCAAAATCTGAGGGCCACG
 CCTGGAGCTGCGCCACGGCCTACCAAGCACCCCGTTACGGGGCCCTGGTTGTTACATCCACGGAGGC
 GGCTTTGTGGCACAGACCTCTAAATCCCACGAGCCCTACCTCAAGAACTGGGCCAGGAGCTAGGAGTCC
 CTATCTTCTCCATCGACTACTCCCTGGCCCCGAGGCTCCCTTTCCCGAGCGCTGGAGGAGTGTTTTTT
 TGCCTACTGTGGGCTGTCAAGCACTGTGACCTGCTTGGTTCAACTGGAGAGCGGATATGCCTTGCAGGG
 GACAGTGCAGGTGGGAATCTCTGCATCACTGTGTCCCTTCGGGCAGCAGCCTATGGAGTGAAGGTGCCAG
 ATGGCATCATGGCAGCCTACCCAGTTACCACCTGCAGTCTCTAAGTGTGTCAGTGCCTATTCAGGGACAGAGG
 CATGGACCCTCTTCTACCCTGAGCGTACTCTAAGTGTGTCAGTGCCTATTCAGGGACAGAGGACAGAG
 GACCATTTTGACTCAGACCAGAAGGCACTAGGCGTGATGGGGCTGGTGCAGAGAGACACTTCGCTGTTCC
 TCAGAGACCTCCGACTGGGTGCCTCCTCATGGCTCAACTCCTTCTGGAAGTAAAGTGGACGCAAGCCCCA
 AAAGACCACATCGCCACAGCAGAGTCTGTGCGCCCCACGGAGTCTATGCGCAGGAGTGTGTCTGAGGCA
 GCCCTGGCCAGCCTGAGGGCTTACTGGGCACAGATACCTTGAAGAAGCTGACAATAAAGGACTTGAGCA
 ACTCAGAGCCTTACAGACAGCCCCGAGATGTCACAGTCAATGGAGACACTTGGCCCTCCACACCCTGTA
 TGTCAACTTTTTTCTGCGGCTGGGAATCCCAGGAAGAGGCTGAAGCCAAAGATGAAGTGAAGCCCATG
 GACGGAGTCCCCGCGTGCAGCTGCTTTCCCTGAGGGGTTTACCCCCGCGCTCAAGCCAAGGTGTC
 TCCACATGCCCTTACACGTACCCATAGTCAAGAACCCTTATGTCTCTCTGCTGGCCCTGACAG
 CATGCTGAAGACCTTGCCGCTGTGACCTTGTGGCTTGCCTCTGGACCCATGCTAGATGACTCGGTC
 ATGTTTCGCGCGGCGACTGCGCGACCTGGGCCAGCCGTTGACGCTGAAAGTGGTAGAAGATCTGCCCATG
 GCTTCTGAGCCTGGCGCACTGTGTGCGGAGACCCGGCAGGCCACGGAGTCTGCGTGCAGCGCATCCG
 GCTGATCCTACCCCGCTGCTGCACCACTGAACTGAGCTGGGGACGGCGGGGGGGCGGCACTAAAAGACC
 TCTTGCTCCCATCTGCGCGGCTTCCGTTATGAGTGCCTCCGAGATGGGCTCCAGGCCCCCTCAGTCGG
 GCTGGGCGGGGAGGAGTGGCCCTGTGCCTTAACTTGAGACAGTAAAGTGGGGCGGGACAGGGGCCAAAAGC
 TGAACCTGGGGGAGGAACACACACACCTGTCACTGAGACAGCTGGATCTGCACTTACCACTGCCTTC
 TGCTGCTGTGACCGACCCGCTAGTCGGTTTTGCCTTTTGTAAATAAAAGTTATTTAACTAGGCCTTTTA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_001039507

Insert Size: 2280 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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>BC021642</u> , <u>AAH21642</u>
RefSeq Size:	2678 bp
RefSeq ORF:	2280 bp
Locus ID:	16890
UniProt ID:	<u>P54310</u>
Cytogenetics:	7 13.78 cM
Gene Summary:	<p>In adipose tissue and heart, it primarily hydrolyzes stored triglycerides to free fatty acids, while in steroidogenic tissues, it principally converts cholesteryl esters to free cholesterol for steroid hormone production.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>