

Product datasheet for RN213506

Lipe (NM_012859) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipe (NM_012859) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lipe
Synonyms:	HSL
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN213506 representing NM_012859 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAACCTAGGAGACCAATTTCTTTACAAGGGAATAACAGCTATGGAGCCAAGTTCTACCTCTGTGT
CTAGGCCAGAATGGAGACCTGAGGCACAGCAGACCCTCACAGACTACCCAGGATCAAGGGAAGTGCAGGA
ATTTGGTATCCACAGAAACAAAGTCTCCCAAATGAGGCCACTGCCAGCAAGGAGCTGAATTCAGCAA
GAACAGGGAGTTCAACAATCTACTCTGCTCCAGAACTTCTCACCCATTAGCCTTCCCTGTACCACAGC
AATCATTCCCAAGCCACAAGTGCCTCGGATCAACAGGAAGCCACCTCCAGAATGGACCTGGGGCGGG
GAAAGTGCATACAACCTAAAAGGAACTAGAACACAGAGATGAACACGTGGGGACAGCAGAATCTGGACCA
GCAGAACCACCTCCAGCTACAGAAGTAGAGGCTACATCTATAGCCAGGCCGTATCTGGACCCGACAAGA
AACTCCCTACCCAACTGACTTGGTCTCCCAAGAGAGAGCTGAGCAGTCAGACCTACAGCCAGCAAAC
ACCTCTAGTCCAAGGAGTCAAGTCTGACCAGGGATCTTTGATAGAGTCAGGGATTTAGCAAGACTGCAG
AACTAGCCATACAGCAGCCCTCCCAAGAGTGGAAGACATTTCTTGATTGTGTTACAGAGTCTGACATGG
AGAAATACCTGAATTCCTCAAAGTCAAACCTCCAGAGCAAGTGGTGGGACAGTGTCCAGGAAG
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GCACAATGACACAGTCGCTGGTGGCGCTCGCAGAAGACAACATGGCCTTCTTCTCAAGCCAGGGCCAGG
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GCTTGGTGCACACAGCTCGTTGCTGCTGGCACACCTACTACACAAATCCCGCTATGTGGCTCTAACCG
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CTGCTGGGCTTCCAGTTCACACCTGCCATCCGGCCGTTCTGTCAGACTCTCTCCATCGGGCTGGTGTCC
TTCCGGGAACACTACAAACGCAACGAGACGGGCCCTCAGTGTGACTGCAAGTTCCTCTTTACGGGTGGCC



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GATTTCGCCATAGACCCAGAGTTGCGTGGGGCTGAATTTGAGCGCATCATACAGAACCTGGACGTGCACTT
CTGGAAAGCCTTCTGGAATATCACGGAGATCGAGGTGCTATCGTCTCTGGCCAACATGGCATCAACCACC
GTGAGGGTAAGCCGCCTGCTTAGCTTGGCCCTGAGGCCTTTGAGATGCCACTAACCTCTGACCCCAAGC
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TGACCTGCGGGAAGGGCAGGACAGCAAGATGCTCAACAGCCTGGCAAAATCTGAGGGCCACGCCTGGAG
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CTCCATCGACTACTCCCTGGCCCTGAGGCCCTTCCCCGAGCACTGGAGGAGTGTTTTTTGCCTAC
TGCTGGGCTGTCAAGCACTGTGAACTGCTTGGTTCAACCGGAGAGCGGATATGCCTTGGCGGGGACAGCG
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CATGGCAGCCTACCCAGTTACCACCCTGCAGTCTCTGCTTCTCCCTCTCGTCTGCTGAGCCTCATGGAT
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TGCTGAGGCAGCCCTGGCCAGCCTGAGGGCTTGGTGGGCACAGATTCCCTTGAAGAAGTAAACAATAAA
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GGCCCCCTCACACCCTCGGATGTCAACTTTTTTCTGCGATCCGGGAATCCCAGGAAGAGGCTGAAACCA
GAGATGATATAAGCCCCATGGACGGAATCCCCCGCGTGCAGCGTGCCTTCCCTGATGGTTTCCACCCACG
GCGCTCAAGCCAAGGTGTCTCCACATGCCCTTACTCGTCACCCATAGTCAAGAACCCTTATGCTCT
CCTCTGCTGGCCCTGACGTGATGCTGAAGACCCTGCCGCCGTGCACCTTGTGGCGTGCCTCTGGACC
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GGTAGAGGACCTGCCGCATGGTTTCTGAGCTTAGCAGCCCTGTGTCGTGAGACCCGGCAGGCCGCGGAG
TTGTGCGTGCAGGCATCCGGCTGATCCTCACCCCCCTGCTGCACCGCTGACCTGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:

Sgfl-Mlul

ACCN:

NM_012859

Insert Size:

3207 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.

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:

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_012859.1](#), [NP_036991.1](#)

RefSeq Size: 3704 bp

RefSeq ORF: 3207 bp

Locus ID: 25330

UniProt ID: [P15304](#)

Cytogenetics: 1q21

Gene Summary: enzyme involved in hydrolysis of stored triglycerides and fatty acids; important for regulation of energy homeostasis [RGD, Feb 2006]