

Product datasheet for RR213506

Lipe (NM_012859) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipe (NM_012859) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lipe
Synonyms:	HSL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR213506 representing NM_012859 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAACCTAGGAGACCAATTTCTTTCACAAGGGAAATACAGCTATGGAGCCAAGTTCTACCTCTGTG
CTAGGCCAGAATGGAGACCTGAGGCACAGCAGACCCTCACAGACTACCCAGGATCAAGGGAAGTGCAGGA
ATTTGGTATCCCACAGAAACAAAGTCTCCCAAATGAGGCCACTGCCAGCAAGGAGCTGAATTCAGCAA
GAACAGGGAGTTCAACAATCTACTCTGCTCCAGAACTTCTCACCCATTAGCCTTCCCTGTACCACAGC
AATCATTCCCAAGCCACAAGTGCCTCGGATCAACAGGAAGCCACCTCCAGAATGGACCTGGGGCGGG
GAAAGTGCATACAACCTAAAAGGAACTAGAACACAGAGATGAACACGTGGGGACAGCAGAATCTGGACCA
GCAGAACCACCTCCAGCTACAGAAGTAGAGGCTACATCTATAGCCAGGCCGTATCTGGACCCGACAAGA
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AAAGCATCCTCCAGAAACACAAGCACTACTGGGATACAGCCTCGGCATTCTCACACAGCATGGATTTAC
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CTAGGTGACGCTCTGGGTGTGGCACACCATTTGACCTGGACACTGAGACACCAGCCAACGGATACCGTA
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TTCGGGGAACACTACAAACGCAACGAGACGGGCTCAGTGTGACTGCAAGTTCCTCTTTACGGGTGGCC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR213506 representing NM_012859
 Red=Cloning site Green=Tags(s)

MKPRRPISFTREITAMEPSSTSISRPEWRPEAQQTLDYPGSRELQEFQIPQKQSLPNEATAQQGAEFQQ
 EQGVQSTLLQKLLTPLAFPVPPQSFPSHKVHSDQQEATSQNGPGAGKVHTTQKELEHRDEHVGTAESE
 AEPPATEVEATSIAQAVSGPDKKLPQTDLVSQERAEQSDPTAQQTPLVQGVKSDQGSLEISGILARLQ
 KLAIQQPSQEWKFLDCVTESDMEKYLNSSKSNPPEPSGGTVIPGTLPSKQKPCDCKMSGYGGKLPHGK
 KGILQKHKHYWDTASAFSHSMDLRTMTQSLVALAEDNMAFFSSQGPGETARRLSNVFAGVREQALGLEPT
 LGQLLGVAAHFDLDTETPANGYRSLVHTARCCLAHLLHKSRVYASNRRSIFFRASHNLAELEAYLAALTQ
 LRALAYYAQRLLTINRPGVLFEGDEGLSADFLQDYVTLHKGCFYGRCLGFQFTPAIRPFLQTLISGLVS
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 CWAVKHCELLGSTGERICLAGDSAGGNLCITVSLRAAAYGVRVPDGI MAAYPVTTLQSSASPSRLLSLMD
 PLLPLSVLSKCVSAYSGETETEDHFDSDQKALGVMGLVQRDTSFLRDLRLGASSWLSNLFLELSGRKPHKT
 PLPATETLRPTDSGRLTESMRRSVSEALAQPPELLGTDLSKLLTIKDL SFGKNSPESDSEMSQSMETL
 GPSTPVDVNFFLRSGNSQEEAETRDDISPMDGIPRVRAAFPDPGFHPRRSSQGVLMPL YSSPIVKNPFMS
 PLLAPDVMLKTLPPVHLVACALDPMLDDSYMFAARRLKD LGQPVT LKVVEDLPHGFLSLAALCRETRQAAE
 LCVQIRLILTPAAPLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3792_d01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_012859

ORF Size: 3204 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](#)

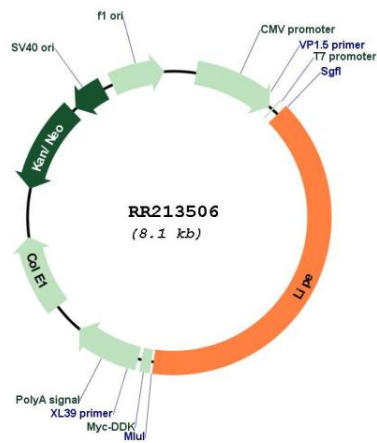
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_012859.1, NP_036991.1
RefSeq Size:	3704 bp
RefSeq ORF:	3207 bp
Locus ID:	25330
UniProt ID:	P15304
Cytogenetics:	1q21
MW:	116.8 kDa
Gene Summary:	enzyme involved in hydrolysis of stored triglycerides and fatty acids; important for regulation of energy homeostasis [RGD, Feb 2006]

Product images:



Circular map for RR213506