

Product datasheet for **MR226805**

Lipe (NM_010719) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lipe (NM_010719) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lipe
Synonyms:	4933403G17Rik; HSL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR226805 representing NM_010719
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCGGCCGTGGAATCGGCCGCCGTGGGGGCCAGGCCCTCAAGCAGGGCAAAGAAGGATCGAAGA
 ACCGCAGTCGCAGGCGGTGGCGAAAAGGCAAGATCAAAGCCTCAGCGTTCTCACACAGCATGGATTTACG
 CACGATGACACAGTCGCTGGTGACACTCGCAGAAGACAATATGGCCTTCTTCTCAAGCCAGGGCCAGGA
 GAGACAGCACGGCGGTGTCTAATGTCTTTGCAGGTGTTCCGGAACAGGCACTGGGGCTGGAACCAACC
 TAGGCCAACTGTTGGGTGTGGCACACCATTTTACCTGGACACAGAGACACCAGCCAACGGATACCGTAG
 TTTGGTGACACAGCCCGATGCTGCCTGGCACACCTACTACAAATCCCCTATGTGGCTTCTAACCGC
 AAAAGTATCTTCTCCGTGCCAGCCACAACCTAGCAGAGCTGGAGGCCTACCTGGCCGCCCTCACCCAGC
 TCCGTGCTATGGCTACTATGCCAGCGCTGCTGACCATCAACCGACCAGGAGTCTCTTCTCGAGGG
 TGATGAAGGACTCACCGTGACTTCTGCAAGAGTATGTCAGCTACACAAGGCTGCTTCTACGGCCGC
 TGCTGGGCTTCCAGTTCACACCTGCCATCCGGCCGTTCTGCAGACTCTCTCCATCGGGCTGGTGTCT
 TCGGGGAGCACTACAAACGCAACGAGACAGGCCTCAGTGTGACCGCCAGTTCCTCTTTACCGGTGGCCG
 ATTCGCCATAGACCCAGAGTTGCGTGGGGCTGAATTTGAACGCATCATACAGAACCTGGATGTGCACTTC
 TGGAAAGCCTTCTGGAACATCACTGAGATTGAGGTGCTGTGCTCTGGCCAACATGGCATCAACCACTG
 TGAGGGTAAGCCGCTGCTCAGCTTGGCACCTGAGGCCTTTGAGATGCCACTCACCTCTGATCCCAGGCT
 CACAGTTACCATCTCACCTCCCTGGCACACACGGGACCAGCTCCTGTGCTAGCCAGGCTCATCTCCTAT
 GACCTACGGGAAGGACAGGACAGCAAGGTAACAACAGCCTGGCAAAATCTGAGGGCCACGCCTGGAGC
 CGCCCCACGGCCTCACCAAGCACCCCTTACGGGCCCTGGTTGTTACATCCACGGAGCGGCTTTGT
 GGCACAGACCTCTAAATCCCACGAGCCCTACCTCAAGAAGTGGGCCAGGAGCTAGGAGTCCCTATCTTC
 TCCATCGACTACTCCCTGGCCCCGAGGCTCCCTTTCCCGAGCGCTGGAGGAGTGTTTTTTTGCCTACT
 GCTGGGCTGTCAAGCACTGTGACCTGCTTGGTTCAACTGGAGAGCGGATATGCCTTGACGGGACAGTGC
 AGGTGGGAATCTCTGCATCACTGTGTCCCTTGGGCAGCAGCCTATGGAGTGAGGGTGCCAGATGGCATC
 ATGGCAGCCTACCCAGTTACCACCCTGCAGTCTCTGCTTCTCCCTCTCGTCTGCTGAGCCTCATGGACC
 CTCTTCTACCACTGAGCGTACTCTAAGTGTGTGAGTGCCTATTCAGGGACAGAGGCAGAGGACCATT
 TGACTCAGACCAGAAGGCACTAGGCGTGATGGGCTGGTGCAGAGAGACACTTCGCTGTTCTCAGAGAC
 CTCGACTGGGTGCTCCTCATGGCTCACTCCTTCTGGAAGTAAAGTGGACGCAAGCCCCAAAAGACCA
 CATCGCCACAGCAGAGTCTGTGCGCCCCACGGAGTCTATGCGCAGGAGTGTGCTGAGGACGCCCTGGC
 CCAGCCTGAGGGCTTACTGGGCACAGATACCTGAAGAAGCTGACAATAAAGGACTTGAGCAACTCAGAG
 CCTTCAGACAGCCCCGAGATGTCACAGTCAATGGAGACACTTGGCCCTCCACACCTCTGATGTCAACT
 TTTTTCTGCGGCTGGGAATCCAGGAAGAGGCTGAAGCCAAAGATGAAGTGAGACCATGGACGGAGT
 CCCCCGCTGCGCGCTGCTTCCCTGAGGGGTTTACCCCCGGCGCTCAAGCCAAGGTGTCTCCACATG
 CCCCTTACACGTACCCATAGTCAAGAACCCCTCATGTCTCCTCTGCTGGCCCTGACAGCATGCTGA
 AGACCTTGCCGCTGTGCACCTTGTGGCTTGCCTCTGGACCCATGCTAGATGACTCGGTATGTTTCG
 GCGGCACTGCGGACCTGGGCCAGCCGTTGACGCTGAAAGTGGTGAAGATCTGCCGATGGCTTCCTG
 AGCCTGGCGGCACTGTGTCGCGAGACCCGGCAGGCCACGGAGTTCTGCGTGCAGCGCATCCGGCTGATCC
 TCACCCCGCTGTGCACCACTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR226805 representing NM_010719
Red=Cloning site Green=Tags(s)

MEPAVESAPVGAQASKQGKEGSKNRSRRRWRKGIKASAFSHSMDLRTMTQSLVTLAEDNMAFFSSQGGP
ETARRLSNVFAGVREQALGLEPTLGQLLGVAHHFDLDTETPANGYRSLVHTARCCLAHLHKSRYVASNR
KSIFFRASHNLAELEAYLAALTQLRAMAYYAQRLLTINRPGVLFEGDEGLTADFLQEYVTLHKGCFYGR
CLGFQFTPAIRPFLQTLSIGLVSFGEHYKRNETGLSVTASSLFTGGRFAIDPELRGAEFERIIQNLDVHF
WKAFWNITEIEVLSSLANMASTTVRVSRLLSLPPPEAFEMPLTSDPRLTVTISPPLAHTGPAPVLARLISY
DLREGQDSKVLNSLAKSEGPRLELRPRPHQAPRSRALVVHIHGGGFVAQTSKSHEPYLKNWAQELGVPIF
SIDYSLAPEAPFPRALEECCFAYCWAVKHCDLLGSTGERICLAGDSAGGNLCITYSLRAAAYGVRVPDGI
MAAYPVTTLQSSASPSRLLSLMDPLPLSVLSKCVSAYSGTEADHFSDQKALGVMGLVQRDTSFLFRD
LRLGASSWLNSELELGRKPKQKTSPTAESVRPTESMRRSVSEALAQPEGLLGTDTLKKLTIKDLNSE
PSDPEMSQSMETLGPSTPSDVNFFLRPGNSQEEAEAKDEVPRMDGVPRVRAAFPEGFHPRRSSQGVLM
PLYTSPIVKNPFMSPLLAPDSMLKTLPPVHLVACALDPMLDDSVMFARRLRDLGQPVTLKVVEDLPHGFL
SLAALCRETRQATEFCVQRIRLILTPPAAPLN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_010719

ORF Size: 2406 bp

OTI Disclaimer: 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_010719.5](#), [NP_034849.2](#)

RefSeq Size: 3221 bp

RefSeq ORF: 2409 bp

Locus ID: 16890

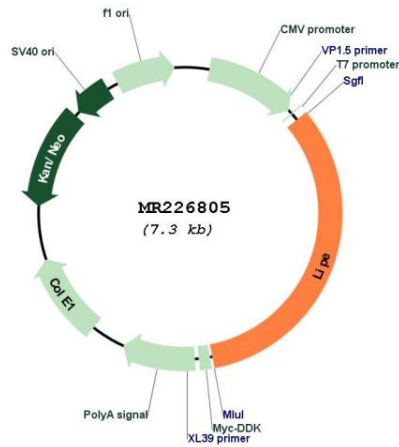
UniProt ID: [P54310](#)

Cytogenetics: 7 13.78 cM

MW: 88.5 kDa

Gene Summary: 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]

Product images:



Circular map for MR226805