

Product datasheet for MR205779

Lias (NM_024471) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lias (NM_024471) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lias
Synonyms:	7a5ex; 2900022L22Rik; 4933425M12Rik; C77512; lip-syn; LS
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205779 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCTACGCTGCTGGGATACAGCTCGCAGCCTGGGGTCCCGGATATTTGGAAGATATGCGTTCACGG
TTAGAGCATTAAAGTTCTTTGCCAGATAAGAAAAAGGAATTTTGCATAATGGACCAGACCTTCAAGATT
TGTATCTGGTGATCTTGACAGACAAGAGTACATGGGATGAATATAAAGGAACTTAAAGCGCCAGAAAGGA
GAAAGGCTAAGACTACCTCCATGGCTAAAGACAAAGATACCCATGGGTAAAACTACAATAAACTGAAAA
ATACATTGCGGAATTTAAGTCTCCACACAGTGTGTGAGGAAGCCCGGTGCCCAACATTGGAGAGTGTG
GGGAGGTGGGGAATATGCCACAGCCACAGCCACGATCATGTTGATGGGGACACATGCACAAGAGGTTGC
AGATTTTGTCCGTTAAGACCGCAAGAAATCCCCCTCCATTGGATGCCAATGAGCCCGACAATACGGCCA
AAGCAATTGCAGAGTGGGGTCTGGATTATGTTGTCCTGACGTCGGTGGATCGAGATGATGTGGCCGACGG
GGGAGCTGAGCACATCGCCAAGACCGTGTATGCTTGAAGGAAAGGAATCCAAAAATCCTCGTGGAAATGC
CTCACCCAGACTTCCGAGGTGATCTGAGAGCAGTGGAGAAGGTGGCTCTGTCTGGATTAGATGTGTATG
CACACAATGTGGAGACTGTCCCGAGTTACAGAGGAAAGTTCGTGATCCCGGGCCAATTTTGACCAGTC
TCTTCGTGTAAGACTGACATGCCAAGGAGTCCAGCCTGATGTTGTTTCCAAAACATCGATAATGCTGGGC
CTTGGTGAGACAGACGCAAGTCTATGCCACACTGAAAGCTCCGTCGGCCGACGCTGGACTGTTTAA
CTCTAGGGCAGTACATGCAGCCAACGAAGCGCCACCTTAAAGGTTGAAGAATATGTTACTCCTGAGAAGTT
CAAATACTGGGAAAAAGTAGGGAATGAAGTGGATTTCTCTATACGGCAAGTGGTCTTTGGTGGCATCT
TCATATAAAGCAGGTGAATTTTTCTGAAAAATCTAGTGGCTAGAAGAAAAACAAAAGCTTCTAAAGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR205779 protein sequence
 Red=Cloning site Green=Tags(s)

MALRCWDTARSLGSRIFGRYAFTVRALSSLPDKKKEFLHNGPDLQDFVSGDLADKSTWDEYKGNLKRQKG
 ERLRLPPWLKTKIPMGKNYNKLNKTLRNLSLHTVCEEARCPNIGECWGGGEYATATATIMLMGDTCTRGC
 RFCSVKTARNPPPLDANEPDNTAKAIAEWGLDYVVLTSVDRDDVADGGAEHIAKTVSCLKERNPKILVEC
 LTPDFRGDLRAVEKVALSGLDVYAHNVE TVPELQRKVRDPRANFDQSLRVL RHAKEVQPDVVSKTSIMLG
 LGETDEQVYATLKALRAADVDC LTLGQYMQPTKRHLKVEEYVTP EKFYWEKVGNELGFLY TASGPLVRS
 SYKAGEFFLKNLVARRKTKASKV

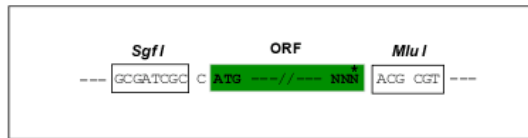
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_024471

ORF Size: 1122 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_024471.5](#), [NP_077791.1](#)

RefSeq Size: 1668 bp

RefSeq ORF: 1122 bp

Locus ID: 79464

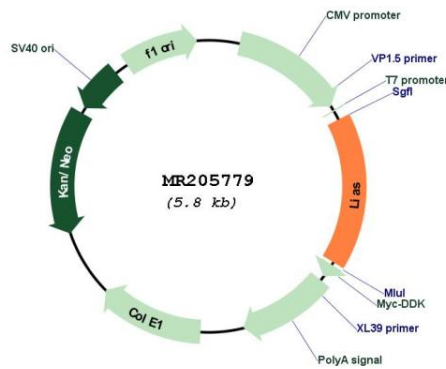
UniProt ID: [Q99M04](#)

Cytogenetics: 5 C3.1

MW: 41.9 kDa

Gene Summary: Catalyzes the radical-mediated insertion of two sulfur atoms into the C-6 and C-8 positions of the octanoyl moiety bound to the lipoyl domains of lipoate-dependent enzymes, thereby converting the octanoylated domains into lipoylated derivatives.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205779