

Product datasheet for MC207779

Lias (NM_024471) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lias (NM_024471) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lias
Synonyms: 7a5ex; 2900022L22Rik; 4933425M12Rik; C77512; lip-syn; LS
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207779 representing NM_024471
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCTCTACGCTGCTGGGATACAGCTCGCAGCCTGGGGTCCCGGATATTTGGAAGATATGCGTTCACGG
TTAGAGCATTAAAGTTCTTTGCCAGATAAGAAAAAGGAATTTTGCATAATGGACCAGACCTCAAGATTT
TGTATCTGGTGATCTTGACAGACAAGAGTACATGGGATGAATATAAAGGAACTTAAAGCGCCAGAAAGGA
GAAAGGCTAAGACTACCTCCATGGCTAAAGACAAAGATACCCATGGGTAAAACTACAATAAACTGAAAA
ATACATTGCGGAATTTAAGTCTCCACACAGTGTGTGAGGAAGCCCGGTGCCCAACATTGGAGAGTGTTG
GGGAGGTGGGGAATATGCCACAGCCACAGCCACGATCATGTTGATGGGGACACATGCACAAGAGTTGC
AGATTTTGTTCGGTTAAGACCGCAAGAAATCCCCCTCCATTGGATGCCAATGAGCCCGACAATACGGCCA
AAGCAATTGCAGAGTGGGGTCTGGATTATGTTGTCCTGACGTCCGGTGGATCGAGATGATGTGGCCGACGG
GGGAGCTGAGCACATCGCCAAGACCGTGTATGCTTGAAGGAAAGGAATCCAAAAATCCTCGTGGAAATGC
CACACAATGTGGAGACTGTCCCGAGTTACAGAGGAAAGTTCGTGATCCCGGGCCAATTTTGACCAATC
TCTTCGTGTAAGTACTGAGACATGCCAAGGAGGTCCAGCCTGATGTTGTTTCCAAAACATCGATAATGCTGGC
CTTGTTGAGACAGACGAGCAAGTCTATGCCACACTGAAAGCTCTCCGTGCGGCCGACGTGGACTGTTTAA
CTCTAGGGCAGTACATGCAGCCAACGAAGCGCCACCTTAAGGTTGAAGAAATATGTTACTCCTGAGAAGTT
CAAATACTGGGAAAAAGTAGGGAATGAACCTGGATTTCTCTATACGGCAAGTGGTCTTTGGTGCATCT
TCATATAAAGCAGGTGAATTTTCTGAAAAATCTAGTGGCTAGAAGAAAAACAAAAGCTTCTAAAGTGT
AG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI



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ACCN:	NM_024471
Insert Size:	1122 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>NM_024471.5</u> , <u>NP_077791.1</u>
RefSeq Size:	2884 bp
RefSeq ORF:	1122 bp
Locus ID:	79464
UniProt ID:	<u>Q99M04</u>
Cytogenetics:	5 C3.1
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>