

Product datasheet for RN204792

Lias (NM_001012037) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lias (NM_001012037) Rat Untagged Clone
Tag: Tag Free
Symbol: Lias
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN204792 representing NM_001012037
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGCTTTACGCTGCTGGGATGCAGCTCGCAGCCTGGGGTCCCGGATATTTGGAAGATATGCGTGCTCGG
TTAGAGCATTAAAGTTCTTTGCCAGATGAGAAAAAGAAATTTTGCATAATGGGCCAGACCTCAAGATTT
TGTATCTGGTGATCTTGACAGACAAGAGTACCTGGGATGATTATAAAGGAACTTAAAGCGCCAGAAAGGA
GAAAGGTTAAGACTACCTCCGTGGTTAAAGACAAAGATACCCATGGGTAAAAATTACAATAAGCTGAAAA
ATACGTTGCGGAATTTAAATCTCCACACAGTATGTGAGGAAGCCCGATGTCCAAACATCGGAGAGTGTTG
GGGAGGTGGGAAATATGCCACCGCCACAGCCACGATCATGTTGATGGGGACACATGCACAAGAGTTGC
AGATTTTGCTCTGTTAAGACGGCAAGAAATCCCCTCCATTGGATCCCAGTGAGCCCGACAATACGGCCA
GAGCAATCGCAGAGTGGGTCTGGACTATGTTGTGCTGACGTCTGTGGACCGAGATGATGTGTCGATGG
GGGAGCTGAGCACATTGCCAAGACAGTGTATGCTTGAAGGAAAGGAATCCAAAAATCCTCGTGGAAATGC
CTCACCCCGACTTCGAGGAGATCTGAGAGCTGTAGAAAAGGTGGCGCTGTCTGGACTAGATGTGTATG
CACACAATGTAGAGACGTTCCAGAATTACAGAGGAAAGTCCGTGATCCCGGGCCAATTTTGACCAGTC
TCTTCGTGATTGAAACATGCCAAGGAGGTGCAGCCTGATGTTGTTTCCAAAACATCAATAATGCTGGGC
CTCGGTGAGACAGACGAGCAGGTCTATGCCACGATGAAAGCTCTCCGTGACGCCGATGTGGACTGTTTAA
CTCTCGGGCAGTATATGCAGCCGACCAAGCGCCACCTTAAGGTTGAAGAGTACGTTACTCCTGAGAAGTT
CAAATACTGGGAAGAAGTAGGAAATGAAGTTGATTTCACTACACTGCAAGTGGCCCTTTGGTGCGATCT
TCATATAAAGCAGGTGAATTTTCTGAAAAATCTAGTGGCTAAAAGAAAAACAAAAGTTTCTAAAGTTT
AG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001012037



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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_001012037.1</u> , <u>NP_001012037.1</u>
RefSeq Size:	1636 bp
RefSeq ORF:	1122 bp
Locus ID:	305348
UniProt ID:	<u>Q5XIH4</u>
Cytogenetics:	14p11
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]