

Product datasheet for **SC207818**

LIAS (NM_194451) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	LIAS (NM_194451) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	LIAS
Synonyms:	HGCLAS; HUSSY-01; LAS; LIP1; LS; PDHLD
ACCN:	NM_194451
Insert Size:	2000 bp



[View online »](#)

Insert Sequence:

>SC207818 3'UTR clone of NM_194451

The sequence shown below is from the reference sequence of NM_194451. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGGCGTACCTTAAGGTGAATTTTTCC TGA AAAATCTAGTGGCTAAAAGAAAAACAAAAGACCTCTAAA
ACTTCAACAAGACCTTCAAGATCACAGAAATTTTTAAAATTTGATTCCAGTTAATAACAGAGGTGGTGC
CAGAATGCCTGGACTGCAGTGGATGTGCCACCTCTTTGCTTAAAAAAAAAATGTCAATAGCCAGGC
ATAGTGGCTCACGCTGTAAATCCAGCACTTTAGGAGGCCAAGCGGGTGGATCACCTGAGGTGAGGAG
TTCGAGACCAGCCTGGCCAACATGGTGAATCCTGTCTCCACTAAAAACAAAAAATTAGTCAGGCGTG
GTAGTGGTGCCTGTAAATCCAGCTACTCGGGAGGCTAAGGCAGGAGAATCACTTGAACCTGGGAGGGG
GAGGTTGAGTGAAGATCGCTCCATTGCCCTCCAGCCTGGGTGACAAGAGCAAAAATCCATCTCA
AATAAATAAAAAGAAAAAAGTCAATAAACTGTACAAAATTAATTACAGTAATTCATTTGGCTTTTA
GTGTATCTCTTTGTCCCAATTAACAGTTGCTTGTGTATGTAATCTTAAAATATCTTTGTAAGAAAT
TTCTTTTAAACATAATTTTAAAATGCATTAAAAACATGGCATGGTGGCTCACACCTATAATCCCAACAT
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ACCTTATCTCTACAAAAAATTAGCCAGACGTGGTGGCAGCACCCGAGTCCCAGCTACTCAGGCTGAG
GTGAGAGGATCACTTGAACCTGGAAAGCAGAGGTTGCAATGAGCTGAGGTGGTCCACTGCCTCCAGC
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AATCCACTGTTAACATCATTACATTTTCAATTTATGAAAAATAAAAACTTCAATTTATGTTACTGTGATGAA
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TGAAACTCATCAGATTAGCATTGTCTTGTAAATATTGGAATAATTTAGAAAGGCTTAAGAGTGAATGT
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GGTCGGGAGTTTGAGAACAGCCTGGCCAACCTGGTGAACCTCCATTGCTACTAAAAATAAAAAATTAG
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TGTGAAGCAGAGATTGCAGTGAAGCGATATCGTGCCACTGCACTCCAGCCCGGCAACAGAGTGAGACT
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TATGCTGATTACATTTAGTCCCTCTGAAAACCAAGGCCATAATGCTGCCTAAGACATGGAATAGAA
CCTAGAAATATTAACCTTATTTGTATAGTAGCTTGCTAAATCCACATGCCCTATTCCTTTTCAATTTCTC
ACATTGGTTGATTATATGATGGTAAAGCCTGAGAAAGGAATTCCTTCCAAAATACTAATAACTCAG
ATTCATCTTTTGAATCCTGCCTTTTCTACTTTTTCTGCATATCTAAAAGGACTTTTGGTGGCC
ATGTTGTAATAATGTAAAGTGGATAGCCAATCTGTTTTGAATCTTATAACGAGCCAGTATTATAAA
AGTAATGCACATCCTTGGCAGGTGTGGTGGCTCACGCCTGTAATCCCACCACCTTGGGAGGCTGAGGCG
GGTGAATCAGTTGAGCTCAGGAGTTTGGAGACTAGCCTGGGCAACACAGTCAGACCCCATCTACCA
ACGCGT AAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCCGCCCTTCTATGAAAGG
    
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Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq:

[NM_194451.3](#)

Summary: The protein encoded by this gene belongs to the biotin and lipoic acid synthetases family. Localized in the mitochondrion, this iron-sulfur enzyme catalyzes the final step in the de novo pathway for the biosynthesis of lipoic acid, a potent antioxidant. The deficient expression of this enzyme has been linked to conditions such as diabetes, atherosclerosis and neonatal-onset epilepsy. Alternative splicing occurs at this locus, and several transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Aug 2020]

Locus ID: 11019

MW: 74.9