

Product datasheet for SC112175

LASS4 (CERS4) (NM_024552) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LASS4 (CERS4) (NM_024552) Human Untagged Clone
Tag:	Tag Free
Symbol:	LASS4
Synonyms:	LASS4; Trh1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC112175 sequence for NM_024552 edited (data generated by NextGen Sequencing)

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ATGCTGTCCAGTTTCAACGAGTGGTTTTGGCAGGACAGTTCTGGTTACCAATGTC
ACGTGGACAGAGCTAGAAGACCGGGATGGCCGTGTCTACCCCCACCCCAAGACTTGTTG
GCAGCCCTGCCCTGGCGCTGGTCTCCTGGCCATGCGCCTTGCCCTTTGAGAGATTCATT
GGCCTGCCCTGAGCCGGTGGCTGGGTGTGAGGGATCAGACCAGGAGGCAAGTGAAGCCC
AACGCCACGCTGGAGAAACACTTCTCACGGAAGGGCACAGGCCCAAGGAGCCCCAGCTG
TCTCTCTGGCCGCCAGTGTGGCCTCACGCTGCAGCAGACCCAGCGATGGTTCCGGAGA
CGCCGGAACCAGGATCGACCCAGCTGACCAAGAAGTTCTGTGAGGCCAGCTGGAGGTTT
CTCTTCTACCTGTCTCCTCGTGGCGGCCTCTCGGTCCTGTACCAGAGTCATGGCTG
TGGGACCAGTAATGTGCTGGGACAGGTACCCAAACCAGACTCTGAAGCCATCCCTGTAC
TGGTGGTACCTCTGGAGCTGGGTTTCTACCTCTCACTGCTAATCAGGCTGCCCTTGAT
GTCAAGCGCAAGGATTTCAAGGAGCAGGTGATACCACTTCTGGCGGTTCATCCTGATG
ACCTTCTCCTACAGTGCCAACCTGCTGCGCATTGGCTCTCTGGTGTCTGTACACGAT
TCCTCTGACTACCTGCTGGAGGCCTGTAAGATGGTCAACTACATGCAGTATCAGCAAGTG
TGCGACGCTCTTCTCATCTTCTCCTTTGTCTTCTTACACCCGACTGGTCTCTTT
CCCACCCAGATCCTCTACACCACATACTACGAGTCCATCAGCAACAGGGGCCCTTCTTC
GGCTACTACTTCTCAACGGGCTTCTGATGTTGCTGCAGCTGCTGCACGTGTTCTGGTCT
TGCCCTATTCTGGCATGCTCTATAGCTTCATGAAGAAGGGCCAGATGGAGAAGGACATT
CGTAGTGATGTAGAAGAATCAGACTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGTCCAGT
CAGCTAAAGAACGGGACAGCTGGAGGGCCAGGCCAGCCCCACTGATGGCCCTCGGAGC
CGGGTGGCCGGCGTCTGACCAACAGGCACACAACAGCCACATAG

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Clone variation with respect to NM_024552.2
1096 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024552 unedited GGTTGTCAANAATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGCGAGGC CCGGCCAGGAGCAGAGTCCGGCTGCCTGGGGCGGGCGGCGGTGTCTGCAGCTGCTCCGG GTAGCCCGCTAGGCGCGCCGTCCCCAGCCCCGCCCGGCCCTCGGTGCGCCCGGCCGC TGCACCCCAAGGAGCAGCTGTGTGAATAAACACAGAAGTGGAGCTGGGGGACTGATTAG AAGCCTCATTTCAGTGCACCTGGGCCAGCAGGCCAGCCAGGCGTGGAGGAAGAGGCAT TGAGGACTTTCCCTTACCTGTTTTTCCAGCTCACCCTGCCAGCAGAGCATGTCACGTGC TCCCGCCTGAGCCTCTGGCCGCAGGAATCAGGTGACCCAGGCAGCGGGCCAGGCTGCAG GGCGGGATCTGCTCCGTCAACCAGGCTGGAGTGCAGTGGTGTGATCACGGCTCACTGCA GCCTCAAACCTCTGGGCTCAACCAGTCTCTCACCTCAGCCTCTGAGTAGCCGGGATTA CAGAATGTGTCCAGTTTCAACGAGTGGTTTTGGCAGGACAGGTTCTGGTTACCACCCAA TGTACGTGGACAGAGCTAGAAGACCGGATGGCCGTGTCTACCCCAACCCCAAGGACTT GTTGGCAGCCCTGCCCTGGCGTGGTCTCTGGCCATGCGCCTGCCTTTGAGAGATT CATTGGCTGCCCTGAGCCGGTGGCTGGGTGTGAGGGATCANACCAGGAGGCAGTGAAG CCCACGCCACGCTGGAGAAACACTTCTCACGGAAGGGCACNAGCCCAAGGAGCCCCAGC TGCTCTCTGGCCGNCAGTGTGGCCTCACGCTGCAGCAGACCCAGCG</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024552 unedited CGCCACGCTTTCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGCT CCATTTGTTTTAATTGGACCCTTTTCAACCTGGGGCTCCCCCAACCCCAAGCCACAGG CTGGAGGGGTCTCTGGCCAGCCACAACATCCACCTGCTGGCTGCCAAATCTGTCCAGTTG CCCACAGGAAAAAAGGTGGGTGGGCCAAAGAAGGGGCTGGAGACAGATCATTAACTCTT TCCACCCACCCCGGTGGGGCCCTTCTGTCTTCAAAAAGGGGGCCCAAGGGCGCCAGTT CAGTCACTCCACAAATATTCAAGGCACTGGCGGGGGGCAACCCCTTACAGCCAGTCCCC CCCGGCTATGTGGCTGTTGTGCGCCTGTTGGAAAAACCCCGGTACCCGGTTTCGAGGG CCATCAATGGGGGCTGGCCCGGGCCCTCCAACCTGTAACGCTTCTTAACTGCAAAGGCTTC TGGGCCGCGACCCCTTCTACTGGAGTCTGATTCTTCTACATCACTACCAATGGCCTTC TCCCTTCTGGGCCTTCTCATGAACCTATACAACCTGCGCCAAATGAGGCAAGACCACAA CACCCGCCAGCAGCTGCAGCAACCATTCAGAAGCCCCGTGAAGAAACACCACCCGCAA AAGGGCCCCCGTTGCTGATGGACTCCCAATATGCGGCGTAAAGGATCTTGCCTGGGAAA GAAGACCATCCCGCTGTTCAACAATCCACTAGTCATCATGGGGTATACANCGCCCCCCT TCCCGAAACTGCAGCCACCACCTCCCCAAGGCCCCCCCTCGTCTCCTTAGCACATATC CCACTTCCCTCCAAACCCTGCCCTCTCTTCTCCCCCCCCCTCCAGCCCCCTCCCTCT CTATCTATCCCCCTCTCCCTCTTCTCTCTATCCCCCTCCCCCTCCACTACTCTTTCC CCCCCTATTACG</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_024552
Insert Size:	2050 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:

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_024552.1](#), [NP_078828.1](#)

RefSeq Size: 1774 bp

RefSeq ORF: 1185 bp

Locus ID: 79603

UniProt ID: [Q9HA82](#)

Cytogenetics: 19p13.2

Domains: LAG1, TLC

Protein Families: Transcription Factors, Transmembrane

Gene Summary: May be either a bona fide (dihydro)ceramide synthase or a modulator of its activity. When overexpressed in cells is involved in the production of sphingolipids containing different fatty acid donors (N-linked stearyl- (C18) or arachidoyl- (C20) ceramides) in a fumonisin B1-independent manner (By similarity).[UniProtKB/Swiss-Prot Function]