

Product datasheet for **SC320875**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024552.1
 GGGGGACTGATTAGAAGCCTCATTACAGTGCACCTGGGCCCCAGCAGGCCAGCCAGGCGT
 GGAGGAAGAGGCATTGAGGACTTTCCTTACCTGTTTTCCAGCTACCCACTGCCAGCAG
 AGAATGCTGTCCAGTTTCAACGAGTGGTTTTGGCAGGACAGGTTCTGGTTACCACCCAAT
 GTCACGTGGACAGAGCTAGAAGACCGGGATGGCCGTGTCTACCCCAACCCAGGACTTG
 TTGGCAGCCCTGCCCTGGCGCTGGTCTCCTGGCCATGCGCCTTGCCCTTGAGAGATTG
 ATTGGCTGCCCTGAGCCGGTGGTGTGAGGGATCAGACCAGGAGGCAAGTGAAG
 CCCAACGCCACGCTGGAGAAACACTTCCTCACGGAAGGGCACAGGCCAAGGAGCCCCAG
 CTGTCTCTCTGGCCGCCAGTGTGGCCTCACGCTGCAGCAGACCCAGCGATGGTTCCGG
 AGACGCCGGAACAGGATCGACCCAGCTGACCAAGAAGTTCTGTGAGGCCAGCTGGAGG
 TTTCTTCTACCTGTCTCCTCGTGGCGGCCCTCTCGTCTGTACCACGAGTCATGG
 CTGTGGGCACCAGTAATGTGCTGGGACAGGTACCCAAACCAGACTCTGAAGCCATCCCTG
 TACTGGTGGTACCTTTGGAGCTGGGTTTCTACCTCTCACTGCTAATCAGGCTGCCCTTT
 GATGTCAAGCGCAAGGATTTCAAGGAGCAGGTGATACCCACTTCGTGGCGGTTCATCCTG
 ATGACCTTCTCTACAGTGCCAACTGTGCGCATTGGCTCTCTGGTGTCTGTTACAT
 GATTCCTCTGACTACCTGCTGGAGGCCTGTAAGATGGTCAACTACATGCAGTATCAGCAA
 GTGTGCGACGCTCTTCTCTCATCTTCTCTTTGTCTTCTTACACCCGACTGGTCCTC
 TTTCCACCCAGATCCTCTACACCACATACTACGAGTCCATCAGCAACAGGGGCCCTTC
 TTCGGCTACTACTTCTTCAACGGGCTTCTGATGTTGCTGCAGCTGCTGCACGTGTTCTGG
 TCTTGGCCTCATTCTGCGCATGCTCTATAGCTTCATGAAGAAGGGCCAGATGGAGAAGGAC
 ATTCGATGATGTAGAAGAATCAGACTCCAGTGAAGGAGTGGCGCGGCCAGGAACCT
 CTGCAGCTAAAGAACGGGGCAGCTGGAGGGCCAGGCCAGCCCCACTGATGGCCCTCAG
 AGCCGGGTGGCCGGGCTCTGACCAACAGGCACACAACAGCCACATAGCCGGGTGGGGCT
 GGCTGTAAGGGGTGGCCCCCGCCAGTGCCTTGGATATTTCTGGGGTGACTGGACTGGC
 GCCCTGGGCCACCTTTCTGGAGACAGGGAGGGCCCCACCCGGGTGGGTGGGAAGGCTG
 ATGATCTGTCTCCAGCCCTTCTTCTGCCCACCCGCCCTTCTTCCCTCTGGGCAACTGG
 ACAGATCTGGGAGCCAGCAGCTGGATGTGTGGCTGGCCAGAGACACCTCCAGGCTGTAG
 CCTGGGGGCTGGGGGAGCCCCAGGCTGAAAAGGGTCCAATTAACAATAATGGAGCCAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024552

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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]