

Product datasheet for RC237877

LASS3 (CERS3) (NM_001290343) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LASS3 (CERS3) (NM_001290343) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LASS3
Synonyms:	ARCI9; LASS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC237877 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTTTGGACGTTTAAAGAATGGTCTGGTTGGAAAGATTCTGGCTTCTCCAACAATAAAGTGGTCAG
ATCTTGAGGATCACGATGGACTCGTCTTTGTAACCTTCTCATTATACGTGACAATCCATATGCTTT
TCTCTTGCTGATTATCAGGCGTGTATTTGAAAAATTTGTTGCTTCACCTTAGCAAAATCATTGGCATT
AAAGAGACAGTTCGAAAGTTACACCAAACTGTCTTAGAGAATTTTTCAAACATCCACAAGGCAAC
CATTGCAAATGATATTTATGGACTGGCAAAGAAGTGAACCTTGACGGAGCGCCAGGTGGAAAGATGGTT
TAGGAGTCGGCGGAATCAAGAGAGGCCCTCCAGGCTGAAGAAATCCAGGAAGCTTGCTGGAGATTTGCA
TTTTACTTAATGATCACTGTTGCTGGAATTGCGTTTTCTTATGATAAACCTTGGCTATATGACTTATGGG
AGGTTTGGAAATGGCTATCCCAAACAGCCCTGCTGCCATCCCAGTACTGGTACTACATTTAGAAATGAG
TTTTTATTGGTCTCTGTTATTTAGACTTGGCTTGTATGTCAGAGAAAGGATTTCTAGCTCATATCATC
CACCACCTGGCTGCTATTAGTCTGATGAGCTTCTTGGTGTGCTAATTATTCGCAGTGGGACCTCG
TGATGATTGTACACGATGTGGCTGACATTTGGCTGGAGTCTGCTAAGATGTTTTCTATGCTGGATGGAC
GCAGACCTGTAACACCCTGTTTTTCATCTTCTCCACCATTTTTTCATCAGCCGCTCATTGTTTTCT
TTCTGGATTTTATTTGCACGCTGATCTTGCCTATGTATCACCTCGAGCCTTTCTTTTCATACATCTTCC
TCAACCTACAGCTCATGATCTTGCAGGTCCTTACCTTTACTGGGGTTATTACATCTTGAAGATGCTCAA
CAGATGTATTTATGAGAGCATCCAGGATGTGAGGAGTGTACGAGGATTATGAAGAGGAAGAGGAA
GAGGAAGAAGAAGAGGCTACCAAAGGCAAAGAGATGGATTGTTTAAAGAACGGCCTCGGGCTGAGAGGC
ACCTCATTCCCAATGGCCAGCATGGCCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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_001290343.1](#), [NP_001277272.1](#)

RefSeq Size: 3913 bp

RefSeq ORF: 1152 bp

Locus ID: 204219

UniProt ID: [Q8IU89](#)

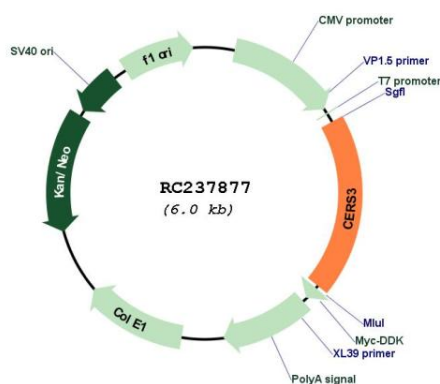
Cytogenetics: 15q26.3

Protein Families: Transcription Factors, Transmembrane

MW: 46.2 kDa

Gene Summary: This gene is a member of the ceramide synthase family of genes. The ceramide synthase enzymes regulate sphingolipid synthesis by catalyzing the formation of ceramides from sphingoid base and acyl-coA substrates. This family member is involved in the synthesis of ceramides with ultra-long-chain acyl moieties (ULC-Cers), important to the epidermis in its role in creating a protective barrier from the environment. The protein encoded by this gene has also been implicated in modification of the lipid structures required for spermatogenesis. Mutations in this gene have been associated with male fertility defects, and epidermal defects, including ichthyosis. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Aug 2015]

Product images:



Circular map for RC237877