

Product datasheet for SC335411

Lass5 (CERS5) (NM_001281731) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lass5 (CERS5) (NM_001281731) Human Untagged Clone
Tag:	Tag Free
Symbol:	CERS5
Synonyms:	LASS5; Trh4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335411 representing NM_001281731. Blue=Insert sequence Red=Cloning site Green=Tag(s)

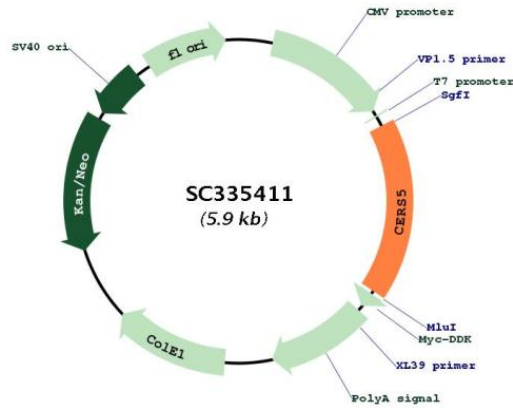
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGATGAAACCAAGACCAAGAGATTTATTGCCAAACCTGTGCACTCTGTATTGGCATCGAGGACAGT
GGTCCCTTATCAGGCCCAACCCAATGCCATCCTTGAAAAGGTGTTTCATATCTATTACCAAGTATCCTGAT
AAGAAAAGGCTGGAGGGCCTGTCAAAGCAGCTGGATTGGAATGCCGAAAAATCCAATGCTGTTTCGC
CATCGGAGGAATCAGGACAAGCCCCAACGCTTACTAAATCTGTGAAAGCATGTGGAGATTCACATTT
TATTTATGTATTTCTGCTATGGAATTAGATTTCTCTGGTCGTCACCTTGGTTCTGGGACATCCGACAG
TGCTGGCATAACTATCCATTT CAGCCTTTCAAGTGGGCTTTATCACTATTATATCATGGAATTGGCC
TTCTATTGGTCCCTTATGTTTTCTCAGTTTACAGACATTAAGAAAGGACTTCCTGATCATGTTTGTG
CATCACTTGGTCACCATTTGGGCTTATCTCCTTCTCCTACATCAACAATATGGTTCGAGTGGGAACCTG
ATCATGTGTCTACATGATGTCTCAGACTTCTTGCTGGAGGCAGCCAACTGGCCAATTATGCCAAGTAT
CAGCGGCTCTGTGACACCCTTTTTGTGATCTTCAGTGTGTTTTATGGTTACACGACTAGGAATCTAT
CCATTCTGGATTCTGAACACGACCCTCTTTGAGAGTTGGGAGATAATCGGGCCTTATGCTTCATGGTGG
CTCCTCAATGGCCTGCTGCTGACCCTACAGCTTCTGCATGTCATCTGGTCTACCTAATTGCACGGATT
GCTTTGAAAGCCTTGATCAGGGGAAAGGTATCGAAGGATGATCGCAGTGTGGAGAGCAGCTCAGAG
GAAGAAGATGTGACCACCTGCACAAAAAGTCCCTGTGACAGTAGCTCCAGCAATGGTGCCAATCGGGTG
AATGGTACATGGGAGGCAGCTACTGGGCTGAAGAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_001281731

Insert Size: 1005 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_001281731.1](#)

RefSeq Size: 2855 bp

RefSeq ORF: 1005 bp

Locus ID: 91012

UniProt ID: [Q8N5B7](#)

Cytogenetics: 12q13.12

Protein Families: Transcription Factors, Transmembrane

MW: 39.3 kDa

Gene Summary: This gene encodes a protein that belongs to the TLC (TRAM, LAG1 and CLN8 homology domains) family of proteins. The encoded protein functions in the synthesis of ceramide, a lipid molecule that is involved in a several cellular signaling pathways. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013]
Transcript Variant: This variant (2) contains an alternate exon in the 5' region and initiates translation at an alternate start codon compared to variant 1. The encoded isoform (2) has a distinct N-terminus and is shorter than isoform 1.