

Product datasheet for **SC214563**

Ceramide synthase 1 (CERS1) (NM_021267) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	Ceramide synthase 1
Synonyms:	EPM8; GDF-1; GDF1; LAG1; LASS1; UOG1
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PS100062)
ACCN:	NM_021267
Insert Size:	1470 bp



Insert Sequence:

>SC214563 3'UTR clone of NM_021267

The sequence shown below is from the reference sequence of NM_021267. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
AACGGCCTGGTGAAGGACAAGCGCTTCGAAACCCCTCGGCCCGCCCCCGTGGACCCGGCCCCACCCCG
AATACCCCGGCCACGCTCCCCGTCTTGGCCGCCCTCCACCCCTCCTCACTCTGCTCCTCTAGGGCCG
CCGCCACCTCCCCTGGGACCCCGCCCCCTCATCTGCTCCAGTTCCTGGCCACGCCGCCACGACCCG
TGCCCTCCGGGACACCGGCCCGCCCTCAGCCCACTGGTCCCGGGCCGCCGGACCTGCGCACTC
TCTGGTCATCGCCTGGGAGGAAGATGCCACCGCGCAGCAAGGTCCCTGCGGCCACCACTCTCTCTCC
TCCTGGCCCTGCTGCTGCCCTCGTGCCCTGACCCGCGCCCCCGTGGCCCCAGGCCAGCGCCGCC
TGCTCCAGGCTCTAGGACTGCGCGATGAGCCCCAGGGTGCCCCAGGCTCCGGCCGGTTCCTCCGGTCA
TGTGGCGCTGTTTCGACGCCGGGACCCAGGAGACCAGGTCTGGCTCGCGGGGACGTCCCCAGGGG
TCACCTGCAACCGTGCCACGTGGAGGAGCTGGGGGTGCGCCGAAACATCGTGCCACATCCCGGACC
GCGGTGCGCCACCCGGGCTCGGAGCCTGCCTCGGCCGCGGGGCAATTGCCCTGAGTGGACAGTCTCT
TCGACCTGTGCGCTGTGAACCCGCTGAGCGCCGAGCCGGGCCCGCTGGAGTGCCTTCGCGGCGG
CGGCGGCGGCGAGCCCGGAGGGCGGCTGGGAGCTGAGCGTGCGCAAGCGGGCCAGGGCGCGGGCGCG
ACCCCGGGCGGCTGCTGCTCCGCCAGTTGGTGCCCGCCTGGGGCCGCCAGTGCGCGCGGAGCTGCTGG
GCGCGCTTGGGCTCGCAACGCTCATGGCCGCGCAGCCTCCGCTGGCGCTGCGGCTACGCCCCGGG
CCCCTGCCGCTGCGCGCGCTGGCCGAGGCTCGCTGCTGCTGGTGACCTCGACCCGCGCTGTGCC
ACCCCTGGCCGGCGCGCGCGACGCCGAACCCGTGTTGGGCGCGGCCCGGGGGCGCTTGTGCGG
CGCGGCGGCTGTACGTGAGCTTCGCGGAGGTGGGCTGGCACCGCTGGGTATCGCGCCGCGCGGCTTC
TGGCAACTACTGCCAGGTCAGTGCGCGCTGCCGTCGCGCTGTGCGGGTCCGGGGGGCGCCGGCGC
TCAACCACGCTGTGCTGCGCGCGCTCATGCACGCGCCGCCCGGGAGCCGCGACCTGCCCTGCTGCG
TGCCCGCGCGCTGTGCGCCATCTCGTGCTCTTCTTTGACAACAGCGACAACGTGGTGTGCGGCACT
ATGAGGACATGGTGGTGACGAGTGCGGCTGCCGCTAACCCGGGGCGGGCAGGACGCGGGCCCAACA
TAAATGCCGCGTGGTCTGCTC
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites:

SgfI-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.

Note:

Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq:

[NM_021267.5](#)

Summary:	This gene encodes a ceramide synthase enzyme, which catalyzes the synthesis of ceramide, the hydrophobic moiety of sphingolipids. The encoded enzyme synthesizes 18-carbon (C18) ceramide in brain neurons. Elevated expression of this gene may be associated with increased longevity, while decreased expression of this gene may be associated with myoclonus epilepsy with dementia in human patients. This protein is transcribed from a monocistronic mRNA as well as a bicistronic mRNA, which also encodes growth differentiation factor 1. [provided by RefSeq, Jul 2016]
Locus ID:	10715
MW:	51.9