

## Product datasheet for **RC222212L3V**

### Ceramide synthase 1 (CERS1) (NM\_021267) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ceramide synthase 1 (CERS1) (NM_021267) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Ceramide synthase 1
Synonyms:	EPM8; GDF-1; GDF1; LAG1; LASS1; UOG1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_021267
ORF Size:	1050 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC222212).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_021267.2</a>
RefSeq Size:	2565 bp
RefSeq ORF:	1053 bp
Locus ID:	10715
UniProt ID:	<a href="#">P27544</a>
Cytogenetics:	19p13.11
Protein Families:	Druggable Genome
MW:	39.4 kDa


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**Gene 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]