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Product datasheet for RC207362L3V

Sphingomyelin Synthase 2 (SGMS2) (NM_152621) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Sphingomyelin Synthase 2 (SGMS2) (NM_152621) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Sphingomyelin Synthase 2
Synonyms:	CDL; SMS2
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_152621
ORF Size:	1095 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC207362).
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. More info
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:	NM_152621.3
RefSeq Size:	6246 bp
RefSeq ORF:	1098 bp
Locus ID:	166929
UniProt ID:	Q8NHU3
Cytogenetics:	4q25
Protein Families:	Druggable Genome, Transmembrane

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Protein Pathways:	Metabolic pathways, Sphingolipid metabolism
MW:	42.3 kDa
Gene Summary:	Sphingomyelin, a major component of cell and Golgi membranes, is made by the transfer of phosphocholine from phosphatidylcholine onto ceramide, with diacylglycerol as a side product. The protein encoded by this gene is an enzyme that catalyzes this reaction primarily at the cell membrane. The synthesis is reversible, and this enzyme can catalyze the reaction in either direction. The encoded protein is required for cell growth. Three transcript variants encoding the same protein have been found for this gene. There is evidence for more variants, but the full-length nature of their transcripts has not been determined.[provided by RefSeq, Oct 2008]