

Product datasheet for **RC209148L1V**

SCD1 (SCD) (NM_005063) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SCD1 (SCD) (NM_005063) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SCD1
Synonyms:	FADS5; hSCD1; MSTP008; SCD1; SCDOS
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_005063
ORF Size:	1077 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209148).
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_005063.4
RefSeq Size:	5473 bp
RefSeq ORF:	1080 bp
Locus ID:	6319
UniProt ID:	O00767
Cytogenetics:	10q24.31
Domains:	FA_desaturase
Protein Families:	Transmembrane



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Protein Pathways: Biosynthesis of unsaturated fatty acids, PPAR signaling pathway

MW: 41.5 kDa

Gene Summary: This gene encodes an enzyme involved in fatty acid biosynthesis, primarily the synthesis of oleic acid. The protein belongs to the fatty acid desaturase family and is an integral membrane protein located in the endoplasmic reticulum. Transcripts of approximately 3.9 and 5.2 kb, differing only by alternative polyadenylation signals, have been detected. A gene encoding a similar enzyme is located on chromosome 4 and a pseudogene of this gene is located on chromosome 17. [provided by RefSeq, Sep 2015]