

Product datasheet for **MR215310L4V**

Scd4 (NM_183216) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Symbol:	Scd4
Synonyms:	ACOD4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_183216
ORF Size:	1059 bp

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(MR215310).

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_183216.3 , NP_899039.2
RefSeq Size:	3072 bp
RefSeq ORF:	1062 bp
Locus ID:	329065
UniProt ID:	Q6T707
Cytogenetics:	19 C3



Gene Summary:

Stearyl-CoA desaturase that utilizes O₂ and electrons from reduced cytochrome b5 to introduce the first double bond into saturated fatty acyl-CoA substrates. Catalyzes the insertion of a cis double bond at the delta-9 position into fatty acyl-CoA substrates including palmitoyl-CoA and stearoyl-CoA (PubMed:12815040, PubMed:16443825). Required for the biosynthesis of membrane phospholipids, cholesterol esters and triglycerides (By similarity). [UniProtKB/Swiss-Prot Function]