

## Product datasheet for **RC212803L2V**

### DEGS1 (NM\_003676) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	DEGS1 (NM_003676) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DEGS1
Synonyms:	DEGS; DEGS-1; Des-1; DES1; FADS7; HLD18; MIG15; MLD
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_003676
ORF Size:	969 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212803).
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_003676.2</a>
RefSeq Size:	2101 bp
RefSeq ORF:	972 bp
Locus ID:	8560
UniProt ID:	<a href="#">O15121</a>
Cytogenetics:	1q42.11
Domains:	FA_desaturase
Protein Families:	Druggable Genome, Transmembrane



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**Protein Pathways:** Metabolic pathways, Sphingolipid metabolism

**MW:** 37.9 kDa

**Gene Summary:** This gene encodes a member of the membrane fatty acid desaturase family which is responsible for inserting double bonds into specific positions in fatty acids. This protein contains three His-containing consensus motifs that are characteristic of a group of membrane fatty acid desaturases. It is predicted to be a multiple membrane-spanning protein localized to the endoplasmic reticulum. Overexpression of this gene inhibited biosynthesis of the EGF receptor, suggesting a possible role of a fatty acid desaturase in regulating biosynthetic processing of the EGF receptor. [provided by RefSeq, Mar 2010]