

## Product datasheet for **RC203507L2V**

### Seladin 1 (DHCR24) (NM\_014762) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Seladin 1 (DHCR24) (NM_014762) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Seladin 1
Synonyms:	DCE; Nbla03646; seladin-1; SELADIN1
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_014762
ORF Size:	1548 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC203507).
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_014762.3</a>
RefSeq Size:	4286 bp
RefSeq ORF:	1551 bp
Locus ID:	1718
UniProt ID:	<a href="#">Q15392</a>
Cytogenetics:	1p32.3
Domains:	FAD_binding_4
Protein Families:	Druggable Genome, Stem cell - Pluripotency, Transmembrane



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**Protein Pathways:** Metabolic pathways, Steroid biosynthesis

**MW:** 60.1 kDa

**Gene Summary:** This gene encodes a flavin adenine dinucleotide (FAD)-dependent oxidoreductase which catalyzes the reduction of the delta-24 double bond of sterol intermediates during cholesterol biosynthesis. The protein contains a leader sequence that directs it to the endoplasmic reticulum membrane. Missense mutations in this gene have been associated with desmosterolosis. Also, reduced expression of the gene occurs in the temporal cortex of Alzheimer disease patients and overexpression has been observed in adrenal gland cancer cells. [provided by RefSeq, Jul 2008]