

## Product datasheet for **RC209435L3V**

### ELOVL5 (NM\_021814) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	ELOVL5 (NM_021814) Human Tagged ORF Clone Lentiviral Particle
Symbol:	ELOVL5
Synonyms:	dj483K16.1; HELO1; SCA38
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_021814
ORF Size:	897 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209435).
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_021814.3</a>
RefSeq Size:	3003 bp
RefSeq ORF:	900 bp
Locus ID:	60481
UniProt ID:	<a href="#">Q9NYP7</a>
Cytogenetics:	6p12.1
Domains:	ELO
Protein Families:	Transmembrane



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**Protein Pathways:** Biosynthesis of unsaturated fatty acids

**MW:** 35.1 kDa

**Gene Summary:** This gene belongs to the ELO family. It is highly expressed in the adrenal gland and testis, and encodes a multi-pass membrane protein that is localized in the endoplasmic reticulum. This protein is involved in the elongation of long-chain polyunsaturated fatty acids. Mutations in this gene have been associated with spinocerebellar ataxia-38 (SCA38). Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2014]