**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC209435L4V

## 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-mGFP-P2A-Puro (PS100093) |
| **Tag:** | mGFP |
| **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. 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_021814.3 |
| **RefSeq Size:** | 3003 bp |
| **RefSeq ORF:** | 900 bp |
| **Locus ID:** | 60481 |
| **UniProt ID:** | Q9NYP7 |
| **Cytogenetics:** | 6p12.1 |
| **Domains:** | ELO |
| **Protein Families:** | Transmembrane |

View online »

**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]