

Product datasheet for **SC207163**

ELOVL1 (NM_022821) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: ELOVL1 (NM_022821) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: ELOVL1
Synonyms: CGI-88; IKSHD; Ssc1
ACCN: NM_022821
Insert Size: 545 bp
Insert Sequence: >SC207163 3'UTR clone of NM_022821
 The sequence shown below is from the reference sequence of NM_022821. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCAGGTATTGCCAAGGTCAAGGCCAATGAAGAAGCATGGCCTAGATAGGCGCCACCTAAGTGCCTCAG
GACTGCACCTTAGGGCAGTGTCCGTCAGTGCCTCTCCACCTACACCTGTGACCAAGGCTTATGTGGTC
AGGACTGAGCAGGGGACTGGCCCTCCCCTCCCCACAGCTGCTCTACAGGGACCACGGCTTTGGTTCCCTC
ACCCACTTCCCCCGGGCAGCTCCAGGGATGTGGCCTCATTGCTGTCTGCCACTCCAGAGCTGGGGGCTA
AAAGGGGTGTACAGTTATTTCCCCTCCCTGCCTTAAACTTGGGAGAGGAGCACTCAGGCTGGCCCC
ACAAAGGGTCTCGTGGCCTTTTTCTCACACAGAAGAGGTGAGCAATAATGCTACTGTGGACCCAGTCT
CACTCCTCACCCACACACTGAAGCAGTAGCTTCTGGGCCAAAGGTGAGGTGGGCGGGGCTGGGA
ATACAGCCTGTGGAGGCTGCTTACTCAACTTGTGTCTTAATTAAGTACAGAGGAAACCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_022821.4](#)



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Summary:

Catalyzes the first and rate-limiting reaction of the four reactions that constitute the long-chain fatty acids elongation cycle. This endoplasmic reticulum-bound enzymatic process allows the addition of 2 carbons to the chain of long- and very long-chain fatty acids (VLCFAs) per cycle. Condensing enzyme that exhibits activity toward saturated and monounsaturated acyl-CoA substrates, with the highest activity towards C22:0 acyl-CoA. May participate in the production of both saturated and monounsaturated VLCFAs of different chain lengths that are involved in multiple biological processes as precursors of membrane lipids and lipid mediators. Important for saturated C24:0 and monounsaturated C24:1 sphingolipid synthesis. Indirectly inhibits RPE65 via production of VLCFAs.[UniProtKB/Swiss-Prot Function]

Locus ID:

64834

MW:

19.3