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Product datasheet for SC112897

ELOVL5 (NM_021814) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ELOVL5 (NM_021814) Human Untagged Clone
Tag:	Tag Free
Symbol:	ELOVL5
Synonyms:	dJ483K16.1; HELO1; SCA38
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Restriction Sites:	Please inquire
ACCN:	NM_021814
Insert Size:	2760 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_021814.3.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_021814.3

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RefSeq Size:	3003 bp
RefSeq ORF:	2760 bp
Locus ID:	60481
UniProt ID:	Q9NYP7
Cytogenetics:	6p12.1
Domains:	ELO
Protein Families:	Transmembrane
Protein Pathways:	Biosynthesis of unsaturated fatty acids
MW:	106.9 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] Transcript Variant: This variant (1) represents the predominant transcript and encodes isoform 1. Variants 1 and 5 encode the same isoform.

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