ELOVL5 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	ELOVL5, Lysate
Full Product Name	Human ELOVL5 Protein Lysate
Product Gene Name	ELOVL5 lysate
Product Synonym Names	ELOVL5; dJ483K16.1; HELO1; SCA38
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	35kDa
OMIM	611805
3D Structure	ModBase 3D Structure for Q9NYP7
Related Product Information for ELOVL5 lysate	Human ELOVL5 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of ELOVL5 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for ELOVL5 purchase	MBS8411052 is a lysate targeting ELOVL5. Also known as Human ELOVL5 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ELOVL5. It may not necessarily be applicable to this product.

NCBI GI #	11464975
NCBI GeneID	60481
NCBI Accession #	NP_068586
UniProt Primary Accession #	Q9NYP7
UniProt Related Accession #	Q9NYP7
GenBank Nucleotide #	NM_021814
NCBI Official Full Name	elongation of very long chain fatty acids protein 5 isoform 1
NCBI Official Synonym Full Names	ELOVL fatty acid elongase 5
NCBI Official Symbol	ELOVL5
NCBI Official Synonym Symbols	HELO1; SCA38; dJ483K16.1
UniProt Protein Name	Elongation of very long chain fatty acids protein 5
UniProt Synonym Protein Names	3-keto acyl-CoA synthase ELOVL5; ELOVL fatty acid elongase 5; ELOVL FA elongase 5; Fatty acid elongase 1; hELO1; Very-long-chain 3-oxoacyl-CoA synthase 5

UniProt Gene Name	ELOVL5
UniProt Synonym Gene Names	ELOVL2; ELOVL FA elongase 5; hELO1
UniProt Entry Name	ELOV5_HUMAN
NCBI Protein Information	elongation of very long chain fatty acids protein 5
NCBI Summary for ELOVL5	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]
UniProt Comments for ELOVL5	ELOVL5: Condensing enzyme that catalyzes the synthesis of monounsaturated and of polyunsaturated very long chain fatty acids Acts specifically toward polyunsaturated acyl-CoA with the higher activity toward C18:3(n-6) acyl-CoA. Belongs to the ELO family. Protein type: Lipid Metabolism - unsaturated fatty acid biosynthesis; EC 2.3.1.199; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 6p12.1 Cellular Component: endoplasmic reticulum membrane; membrane; cell soma; endoplasmic reticulum; dendrite; integral to membrane Molecular Function: protein binding; fatty acid elongase activity Biological Process: unsaturated fatty acid metabolic process; very-long-chain fatty acid biosynthetic process; linoleic acid metabolic process; unsaturated fatty acid biosynthetic process; triacylglycerol biosynthetic process; cellular lipid metabolic process Disease: Spinocerebellar Ataxia 38
Research Articles on ELOVL5	**1.** Low ELOVL5 expression is associated with colorectal cancer.
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