

Product Information

MemDX™ Membrane Protein Human ELOVL5 (ELOVL fatty acid elongase 5) Full Length

Cat. No.: **MPC4262K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human ELOVL5 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

ELOVL5

Protein Length

Full length

Protein Class

Transferase

TMD

7

Sequence

MEHFDASLSTYFKALLGPRDTRVKGWFLLDNYIPTFICSVIYLLIVWLGP
KYMRNKQPFSCRGILVVYNLGLTLLSLYMFCELVTVGVWEGKYNFFCQGTR
TAGESDMKIIRVLWWYYFSKLIEFMDTFFFILRKNNHQITVLHVYHHASM
LNIWWFVMNWVPCGHSYFGATLNSFIHVLMSYYGLSSVPSMRPYLWWKK
YITQGQLLQFVLTIIQTSCGVIWPCTFPLGWLYFQIGYMISLIALFTNFY
IQTYNKKGASRRKDHLDHQNGSMAAVNGHTNSFSPLENNVKPRKLRKD

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

ELOVL5

Full Name

ELOVL fatty acid elongase 5

Introduction

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.

Alternative Names

ELOVL5; HELO1; SCA38; dJ483K16.1; elongation of very long chain fatty acids protein 5; 3-keto acyl-CoA synthase ELOVL5; ELOVL FA elongase 5; ELOVL family member 5, elongation of long chain fatty acids (FEN1/Elo2, SUR4/Elo3-like, yeast); fatty acid elongase 1; homolog of yeast long chain polyunsaturated fatty acid elongation enzyme 2; spinocerebellar ataxia 38; very long chain 3-ketoacyl-CoA synthase 5; very long chain 3-oxoacyl-CoA synthase 5; ELOVL fatty acid elongase 5

Gene ID

[60481](#)

UniProt ID

[Q9NYP7](#)