

# Product Information

## **MemDX™ Membrane Protein Human ELOVL5 (ELOVL fatty acid elongase 5) Expressed *in vitro* E.coli expression system, Full Length**

Cat. No.: **MPX2923K**

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

This product is a Human ELOVL5 membrane protein expressed *in vitro* E.coli expression system. 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

MEHFDASLSTYFKALLGPRDTRVKGWFLLDNYIPTFICSVIYLLIVWLGPKYMRNKQPFSCRGILVVYNLGLTLLSLYMFCELVTVGVW

### Product Description

#### Expression Systems

*in vitro* E.coli expression system

#### Tag

10xHis tag at the N-terminus

#### Protein Format

Soluble

#### Form

Liquid or Lyophilized powder

#### Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°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](#)