

# Product Information

## MemDX™ Membrane Protein Human ELOVL3 (ELOVL fatty acid elongase 3) Full Length

Cat. No.: **MPC3720K**

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

This product is a made-to-order Human ELOVL3 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

ELOVL3

#### Protein Length

Full length

#### Protein Class

Transferase

#### TMD

7

#### Sequence

MVTAMNVSHEVNQLFQPYNFELSKDMRPFEEYWATSFPIALIYLVLIIV  
GQNYMKERKGFNLQGPLILWSFCLAIFSILGAVRMWGIMGTVLLTGGLKQ  
TVCFINFIDNSTVKFWSWVFLLSKVIELGDTAFIILRKRLIFIHWHYHHS  
TVLVYTSFGYKNKVPAGGWFTMNFGVHAIMYTYTTLKAANVKPPKMLPM  
LITSLQILQMFVGAIVSILTYIWRQDQGCHTTMEHLFWSFILYMTYFILF  
AHFFCQTYIRPKVKAKTKSQ

### 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**

ELOVL3

**Full Name**

ELOVL fatty acid elongase 3

**Introduction**

This gene encodes a protein that belongs to the GNS1/SUR4 family. Members of this family play a role in elongation of long chain fatty acids to provide precursors for synthesis of sphingolipids and ceramides.

**Alternative Names**

ELOVL3; CIG30; CIG-30; elongation of very long chain fatty acids protein 3; 3-keto acyl-CoA synthase ELOVL3; ELOVL FA elongase 3; cold-inducible glycoprotein of 30 kDa; elongation of very long chain fatty acids (FEN1/Elo2, SUR4/Elo3, yeast)-like 3; very long chain 3-ketoacyl-CoA synthase 3; very long chain 3-oxoacyl-CoA synthase 3; ELOVL fatty acid elongase 3

**Gene ID**

[83401](#)

**UniProt ID**

[Q9HB03](#)