

Product Information

MemDX™ Membrane Protein Human SLC27A3 (Solute carrier family 27 member 3) Full

Length

Cat. No.: **MPC3736K**

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

This product is a made-to-order Human SLC27A3 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

SLC27A3

Protein Length

Full length

Protein Class

Transporter

TMD

1

Sequence

MAALLLLPLLLLLPLLLLKLHLWPQLRWLPADLAFVRALCCKRALRARA
LAAAAADPEGPEGGC SLAWRLAELAQQAHTFLIHGSRRF SYSEAERES
NRAARAFLRALGWDWGP DGGDSGEGSAGEGERAAPGAGDAAAGSGAEFAG
GDGAARGGGAAAPLSPGATVALLLPAGPEFLWLWFLAKAGLRTAFVPTA
LRRGPLLHCLRSCGARALVLAPEFLESLEPDLPALRAMGLHLWAAGPGTH
PAGISDLLAEVSAEVDGPVPGYLSSPQSITDTCLYIFTSGTTGLPKAARI
SHLKILQCQGFYQLCGVHQEDVIYALPLYHMSGSLLGIVGCMGIGATVV
LKSKFSAGQFWEDCQQRVTVFQYIGELCRYLVNQPPSKAERGHKVR LAV
GSGLRPDTWERFVRRFGPLQVLETYGLTEGNVATINYTGQRGAVGRASWL
YKHIFPFSLIRYDVTTGEPIRDPQGHCMATSPGEPGLLVAPVSQQSPFLG
YAGGP ELAQGKLLKDVFRPGDVFFNTGDLLVCDDQGFLRFHDRTGDTFRW
KGENVATTEVAEVFEALDFLQEVN VYGVTVP GHEGRAGMAALVLRPPHAL
DLMQLYTHVSENLP PYARPRFLRLQESLATTETFKQKQVRMANEGFDPST
LSDPLYVLDQAVGAYLPLTTARYSALLAGNLR I

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**

SLC27A3

Full Name

Solute carrier family 27 member 3

Introduction

This gene belongs to a family of integral membrane proteins and encodes a protein that is involved in lipid metabolism. The increased expression of this gene in human neural stem cells derived from induced pluripotent stem cells suggests that it plays an important role in early brain development. Naturally occurring mutations in this gene are associated with autism spectrum disorders. Alternative splicing results in multiple transcript variants.

Alternative Names

SLC27A3; FATP3; ACSVL3; VLCS-3; arachidonate--CoA ligase; long-chain fatty acid transport protein 3; solute carrier family 27 (fatty acid transporter), member 3; very long-chain acyl-CoA synthetase homolog 3; Solute carrier family 27 member 3

Gene ID

[11000](#)

UniProt ID

[Q5K4L6](#)