

Product Information

MemDX™ Membrane Protein Human SLC27A5 (Solute carrier family 27 member 5) Full

Length

Cat. No.: **MPC0802K**

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

This product is a 75.3 kDa Human SLC27A5 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

SLC27A5

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

75.3 kDa

TMD

2

Sequence

MGVRQQALLLLLLLLLLWGLGQPWVPVAVALTLRWLLGDPTCCVLLGLAM
LARPWLGPWVPHGLSLAAAAALALTLLPARLPPGLRWLPADVIFLAKILHL
GLKIRGCLSRQPPDTFVDAFERRARAQPGRALLVWTGPGAGSVTFGELDA
RACQAAWALKAE LGDPASLCAGEPTALLVLASQAVPALCMWLGLAKLGCP
TAWINPHGRGMPLAHSVLSGARVLVDPDLRESLEEILPKLQAENIRCF
YLSHTSPTPGVGALGAALDAAPSHVPADLRAGITWRSPALFIYTS GTTG
LPKPAILTHERVLQMSKMLSLSGATADDVVYTVLPLYHVMGLVVGILGCL
DLGATCVLAPKFSTSCFWDDCRQHGVTVILYVGELLRYLCNIPQQPEDRT
HTVRLAMGNGLRADVWETFQQRFGPIRIWEVYGSTEGNMGLVNVYVGRCGA
LGKMSCLLRMLSPFELVQFDMEAAEPVRDNQGF CIPVGLGEPGLLLTKVV
SQQPFVGYRGPRELSEKLVNRNQSGDVYYNTGDVLAMDREGFLYFRDR
LGDTFRWKGENVSTHEVEGVLSQVDFLQQVNVYGVCPGCEGKVGMAAVQ
LAPGQTFDGEKLYQHVRRAWLPAYATPHFIRIQDAMEVTSTFKLMKTRLVR
EGFNVGIVVDPLFVLNRAQSFRPLTAEMYQAVCEGTWRL

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

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

SLC27A5

Full Name

Solute carrier family 27 member 5

Introduction

The protein encoded by this gene is an isozyme of very long-chain acyl-CoA synthetase (VLCS). It is capable of activating very long-chain fatty-acids containing 24- and 26-carbons. It is expressed in liver and associated with endoplasmic reticulum but not with peroxisomes. Its primary role is in fatty acid elongation or complex lipid synthesis rather than in degradation. This gene has a mouse ortholog.

Alternative Names

BAL; ACSB; BACS; FATP5; ACSVL6; FACVL3; FATP-5; VLACSR; VLCSH2; VLCS-H2; bile acyl-CoA synthetase; BA-CoA ligase; VLACS-related; bile acid-CoA ligase; cholate--CoA ligase; fatty acid transport protein 5; fatty-acid-Coenzyme A ligase, very long-chain 3; solute carrier family 27 (fatty acid transporter), member 5; very long-chain acyl-CoA synthetase homolog 2; very long-chain acyl-CoA synthetase-related protein; SLC27A5; Solute carrier family 27 member 5

Gene ID

[10998](#)

UniProt ID

[Q9Y2P5](#)