

Product Information

MemDX™ Membrane Protein Human SLC27A2 (Solute carrier family 27 member 2) for Antibody Discovery

Cat. No.: **MP0315J**

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

This product is a 70.1 kDa Human SLC27A2 membrane protein expressed in HEK293T. 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

SLC27A2

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

70.1 kDa

TMD

3

Sequence

MLSAIYTVLAGLLFLPLLVLNLCPPYFFQDIGYFLKVAAGVRRVRSYGKRRPARTILRAFLEKARQTPHKP
FLLFRDETLYAQVDRRSNQVARALHDHLGLRQGDVALLMGNEPAYVWLWGLVKGCLGCAMACLNYNIRA
KSLHCFQCCGAKVLLVSPQLQAAVEEILPSLKKDDVSIYYVSRTSNTDGDIDSKVDEVSTPIPIESW
RSEVTFSTPALYIYTSGLTPKAAAMITHQRIWYGTGLTFVSGLKADDVIYITLPFYHSAALLIGIHGCI
VAGATLALRTKFSASQFWDDCRKYNVTVIQYIGELLRYLCNSPQKPNDRDHKVRLALGNGLRGDVWRQFV
KRFGDICIYEFYAATEGNIGFMNYARKVGAVGRVNYLQKKIITYDLIKYDVEKDEPVRDENGVCVRVPGK
EVGLLVCKITQLTPFNGYAGAKAQTEKKLRDVFKKGDLYFNSGDLLMVDHENFIYFHDRVGDTRFWKGE
NVATTEVADTVGLVDFVQEVNVYGVHVPDHEGRIGMASIKMKENHEFDGKKLFQHIADYLPYARPRFLR
IQDTIEITGTFKHKRMTLVEEGFNPAVIKDALYFLDDTAKMYVPMTEDIYNAISAKTLKL

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

SLC27A2

Full Name

Solute carrier family 27 member 2

Introduction

The protein encoded by this gene is an isozyme of long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme activates long-chain, branched-chain and very-long-chain fatty acids containing 22 or more carbons to their CoA derivatives. It is expressed primarily in liver and kidney, and is present in both endoplasmic reticulum and peroxisomes, but not in mitochondria. Its decreased peroxisomal enzyme activity is in part responsible for the biochemical pathology in X-linked adrenoleukodystrophy. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Alternative Names

VLCS; FATP2; VLACS; ACSVL1; FACVL1; hFACVL1; HsT17226

Gene ID

[11001](#)

UniProt ID

[Q14975](#)