

Product Information

MemDX™ Membrane Protein Human SLC16A3 (Solute carrier family 16 member 3) Full

Length

Cat. No.: **MPC0746K**

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

This product is a 49.4 kDa Human SLC16A3 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

SLC16A3

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

49.4 kDa

TMD

12

Sequence

MGGAVVDEGPTGVKAPDGGWGWAVLFGCFVITGFSYAFPKAVSVFFKELI
QEFGIGYSdTAWISSILLAMLYGTGPLCSVCVNRFGCRPVMLVGGLFASL
GMVAASFCSRISIIQVYLTTGVITGLGLALNFQPSLIMLNRYFSKRRPMANG
LAAAGSPVFLCALSPLGQLQDRYGWRGGFLILGGLLLNCCVCAALMRPL
VVTAAQPGSGPPRPSRRLDLSVFRDRGFVLYAVAASVMVLGLFVPPVFVV
SYAKDLGVPDTKAAFLLTILGFIDIFARPAAGFVAGLGKVRPYSVYLFSF
SMFFENGLADLAGSTAGDYGGVLVFCIFFGISYGMVGALQFEVLMAIVGTH
KFSSAIGLVLLMEAVAVLVGPPSGGKLLDATHVYMYVFILAGAEVLTSSL
ILLGNFFCIRKKPKPEQPEVAAAEEEEKLHKPPADSGVDLREVEHFLKAE
PEKNGEVVHTPETS

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 -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

SLC16A3

Full Name

Solute carrier family 16 member 3

Introduction

Lactic acid and pyruvate transport across plasma membranes is catalyzed by members of the proton-linked monocarboxylate transporter (MCT) family, which has been designated solute carrier family-16. Each MCT appears to have slightly different substrate and inhibitor specificities and transport kinetics, which are related to the metabolic requirements of the tissues in which it is found. The MCTs, which include MCT1 (SLC16A1; MIM 600682) and MCT2 (SLC16A7; MIM 603654), are characterized by 12 predicted transmembrane domains.

Alternative Names

MCT3; MCT4; MCT 3; MCT 4; MCT-3; MCT-4; monocarboxylate transporter 4; monocarboxylate transporter 3; solute carrier family 16 (monocarboxylate transporter), member 3; solute carrier family 16 (monocarboxylic acid transporters), member 3; solute carrier family 16, member 3 (monocarboxylic acid transporter 4); SLC16A3; Solute carrier family 16 member 3

Gene ID

[9123](#)

UniProt ID

[O15427](#)