

Product Information

MemDX™ Membrane Protein Human SLC22A3 (Solute carrier family 22 member 3) Full

Length

Cat. No.: **MPC0776K**

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

This product is a 61.2 kDa Human SLC22A3 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

SLC22A3

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

61.2 kDa

TMD

7

Sequence

MPSFDEALQRVGEFGRFQRRVFLLLCLTGVTFAFLFVGVVFLGTQPDHYW
CRGPSAAALAERCGWSPREEWNRTAPASRGPEPPERRGRCQRYLLEAAND
SASATSALSCADPLAAFPNRSAPLVPCRGGWRYAQAHSTIVSEFDLVCVN
AWMLDLTQAILNLGFLTGAFTLGYYAADRYGRIVYLLSCLGVGTGVVVA
FAPNFPVFVIFRFLQGVFGKGTWMTCYVIVTEIVGSKQRRIVGIVQMFF
TLGIILPGIAYFIPNWQGIQLAITLPSFLFLLYYWVVPESPRWLITRKK
GDKALQILRRIACNGKYLSSNYSEITVTDEEVSNPFLDLVVRTPQMRKC
TLILMFAWFTSAVVYQGLVMRLGIIGGNLYIDFFISGVVELPGALLILT
IERLGRRLPFAASNIVAGVACLVTAFLEPGIAWLRTTVATLGRLGITMAF
EIVYLVNSELYPTTLRNFGVSLCSGLCDFGGIAPFLFRLLAAVWLELPL
IIFGILASICGGLVMLLPETKGIALPETVDDVEKLGSPHSCKCGRNKKTP
VSRSHL

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

SLC22A3

Full Name

Solute carrier family 22 member 3

Introduction

Polyspecific organic cation transporters in the liver, kidney, intestine, and other organs are critical for elimination of many endogenous small organic cations as well as a wide array of drugs and environmental toxins. This gene is one of three similar cation transporter genes located in a cluster on chromosome 6. The encoded protein contains twelve putative transmembrane domains and is a plasma integral membrane protein.

Alternative Names

EMT; EMTH; OCT3; solute carrier family 22 member 3; EMT organic cation transporter 3; extraneuronal monoamine transporter; organic cation transporter 3; solute carrier family 22 (extraneuronal monoamine transporter), member 3; solute carrier family 22 (organic cation transporter), member 3; SLC22A3; Solute carrier family 22 member 3

Gene ID

[6581](#)

UniProt ID

[O75751](#)