

Product Information

MemDX™ Membrane Protein Human SLC6A18 (Solute carrier family 6 member 18) Full

Length

Cat. No.: **MPC0905K**

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

This product is a 70.8 kDa Human SLC6A18 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

SLC6A18

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

70.8 kDa

TMD

12

Sequence

MAHAPEPDPAACDLGDERPKWDNKAQYLLSCTGFAVGLGNIWRFPYLCQT
YGGGAFLIPYVIALVFEGIPHFHVELAIGQRLRKGSVGWVTAISPYLSGV
GLGCVTLISLYNTIVAWVLWYLLNSFQHPLPWSSCPPDLNRTGFVE
ECQGSSAVSYFWYRQTLNITADINDSGSIQWWLLICLAASWAVVYMCVIR
GIETTGVYFTALFPYLVLTIFLIRGLTLPGATKGLIYLFNPMHILQN
PRVWLDAATQIFFSLSLAFGGHIAFASYNsprndCQKDAVVIALVNRMTS
LYASIAVFSVLGFKATNDYEHCLDRNLSLINDFDFPEQSISRDDYPAVL
MHLNATWPKRVAQLPLKACLEDFLDKSASGPGLAFFVFTETDLHMPGAP
VWAMLFFGMLFTLGLSTMFGTVEAVITPLLDVGVLPWVPKEALTGLVCL
VCFLSATCFTLQSGNYWLEIFDNFAASPNLLMLAFLEVGVVYVYGMKRF
CDDIAWMTGRRPSPYWRLTWRVVSPLLLTIFVAYIILLFWKPLRYKAWNP
KYELFPSRQEKLYPGWARAACVLLSLLPVLWVPVAALAQLLTRRRRTWRD
RDARPD TDMRPDT DTRPD TDMRPDT DMR

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

SLC6A18

Full Name

Solute carrier family 6 member 18

Introduction

The SLC6 family of proteins, which includes SLC6A18, act as specific transporters for neurotransmitters, amino acids, and osmolytes like betaine, taurine, and creatine. SLC6 proteins are sodium cotransporters that derive the energy for solute transport from the electrochemical gradient for sodium ions.

Alternative Names

Xtrp2; inactive sodium-dependent neutral amino acid transporter B(0)AT3; sodium channel-like protein; sodium- and chloride-dependent transporter XTRP2; sodium-dependent neutral amino acid transporter B(0)AT3; solute carrier family 6 (neurotransmitter transporter), member 18; solute carrier family 6 (neutral amino acid transporter), member 18; system B(0) neutral amino acid transporter AT3; SLC6A18; Solute carrier family 6 member 18

Gene ID

[348932](#)

UniProt ID

[Q96N87](#)