

Product Information

MemDX™ Membrane Protein Human SLC18A2 (Solute carrier family 18 member A2) Full

Length

Cat. No.: **MPC1069K**

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

This product is a 55.7 kDa Human SLC18A2 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

SLC18A2

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

55.7 kDa

TMD

12

Sequence

MALSELALVRWLQESRRSRKLILFIVFLALLLDNMLLTVVVPIIPSYLYS
IKHEKNATEIQTARPVHTASISDSFQSIFSYYDNSTMTGNATRDLT LHQ
TATQHMTNNAVAVPSDCPSEDKDLLNENVQVGLLFASKATVQLITNPFIG
LLTNRIGYPIPIFAGFCIMFVSTIMFAFSSSYAFLLIARSLQGIGSSCSS
VAGMGM LASVYTDDEERGNVMGIALGGLAMGVLVGPPFGSVLYEFVGKTA
PFLVLAALVLLDGAQLFVLQPSRVQPESQKGTPLTLLKDPYILIAAGS
ICFANMGIAMLEPALPIWMMETMCSRKWQLGVAFLPASISYLGITNIFGI
LAHKMGRWLCALLGMIIVGVSILCIPFAKNIYGLIAPNFGVGFAIGMVDS
SMMPIMGYLVDLRHVSVYGSVYAIADVAFCMGYAIGPSAGGAIAKAIGFP
WLMTIIGIIDILFAPLCFFLRSPPAKEEKMAILMDHNCPIKTKMYTQNNI
QSYPIGEDEESES

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**

SLC18A2

Full Name

Solute carrier family 18 member A2

Introduction

This gene encodes an transmembrane protein that functions as an ATP-dependent transporter of monoamines, such as dopamine, norepinephrine, serotonin, and histamine. This protein transports amine neurotransmitters into synaptic vesicles. Polymorphisms in this gene may be associated with schizophrenia, bipolar disorder, and other neurological/psychiatric ailments.

Alternative Names

SLC18A2; SVAT; SVMT; VAT2; VMAT2; PKDYS2; synaptic vesicular amine transporter; monoamine neurotransmitter transporter; solute carrier family 18 (vesicular monoamine transporter), member 2; synaptic vesicle amine transporter, brain; synaptic vesicle monoamine transporter, brain; vesicle monoamine transporter type 2; vesicle monoamine/H⁺ antiporter; vesicular amine transporter 2; Solute carrier family 18 member A2

Gene ID

[6571](#)

UniProt ID

[Q05940](#)