

Product Information

MemDX™ Membrane Protein Human SLC6A2 (Solute carrier family 6 member 2) Full Length

Cat. No.: **MPC0893K**

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

This product is a 69.3 kDa Human SLC6A2 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

SLC6A2

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

69.3 kDa

TMD

12

Sequence

MLLARMNPQVQPENNGADTGPEQPLRARKTAELLVVKERNQVQCLLAPRD
GDAQPRETWGKKIDFLLSVGFAVDLANVWRFPYLCYKNGGGAFLLIPYTL
FLIAGMPLFYMELALGQYNREGAATVWKICPFFKGVGYAVILIALYVGF
YYNVIIAWSLYYLFSSFTLNLPWTDGHTWNSPNDTPKLLNGSVLGNHT
KYSKYKFTPAAEFYERGVHLHESSEIHDIGLPQWQLLLCLMVVIVLYF
SLWKGVKTSKGVVWITATLPYFVLFVLLVHGVTLPGASNGINAYLHIDFY
RLKEATVWIDAATQIFFSLGAGFGVLIASFASYNKFDNNCYRDALLTSSIN
CITSFVSGFAIFSILGYMAHEHKVNIEDVATEGAGLVFILYPEAISTLSG
STFWAVVFFVMALLALGLDSSMGGMEAVITGLADDFQVLKRHRKLFTFGVT
FSTFLLALFCITKGGIYVLTLLDTFAAGTSILFAVLMEAGVSWFYGVDR
FSNDIQQMMGFRPGLYWRLCWKFVSPAFLLFVVVSIINFKPLTYDDYIF
PPWANWVGWGIALSSMVLVPIYVIYKFLSTQGSWLERLAYGITPENEHHL
VAQRDIRQFQLQHWLAI

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**

SLC6A2

Full Name

Solute carrier family 6 member 2

Introduction

This gene encodes a member of the sodium:neurotransmitter symporter family. This member is a multi-pass membrane protein, which is responsible for reuptake of norepinephrine into presynaptic nerve terminals and is a regulator of norepinephrine homeostasis. Mutations in this gene cause orthostatic intolerance, a syndrome characterized by lightheadedness, fatigue, altered mentation and syncope. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.

Alternative Names

NET; NAT1; NET1; SLC6A5; sodium-dependent noradrenaline transporter; neurotransmitter transporter; norepinephrine transporter; solute carrier family 6 (neurotransmitter transporter), member 2; solute carrier family 6 (neurotransmitter transporter, noradrenalin), member 2; solute carrier family 6 member 5; SLC6A2; Solute carrier family 6 member 2

Gene ID

[6530](#)

UniProt ID

[P23975](#)