

Product Information

MemDX™ Membrane Protein Human SLC1A3 (Solute carrier family 1 member 3) Full Length

Cat. No.: **MPC0762K**

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

This product is a 59.5 kDa Human SLC1A3 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

SLC1A3

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

59.5 kDa

TMD

8

Sequence

MTKSNGEETPKMGGRMERFQQGVRKRTLLAKKKVQNITKEDVKSYLFRNAF
VLLTVTAVIVGTILGFTLRPYRMSYREVKYFSFPGELLMRMLQMLVLPLI
ISSLVTGMAALDSKASGKMGMRVYYMTTIIAVVIGIIIVIIHPGKG
TKENMHREGKIVRVTAADAFDLIRNMFPPNLVEACFKQFKTNYEKRSFK
VPIQANETLVGAVINNVSEAMETLTRITEELVPVPGSVNGVNALGLVVFS
MCFGFVIGNMKEQGQALREFFDSLNEAIMRLVAVIMWYAPVGILFLIAGK
IVEMEDMGVIGGQLAMYTVTVIVGLLIHAVIVLPLLYFLVTRKNPWVFIG
GLLQALITALGTSSSSATLPITFKCLEENNGVDKRVTRFVLPVGATINMD
GTALYEALAAIFIAQVNNFELNFGQIITISITATAASIGAAGIPQAGLVT
MVIVLTSVGLPTDDITLIAVDWFLDRLRTTNVLGDSLGAIVEHLRSRH
ELKNRDVEMGNSVIEENEMKKPYQLIAQDNETEKPIDSETKM

Product Description

Expression Systems

HEK293

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**

SLC1A3

Full Name

Solute carrier family 1 member 3

Introduction

This gene encodes a member of a member of a high affinity glutamate transporter family. This gene functions in the termination of excitatory neurotransmission in central nervous system. Mutations are associated with episodic ataxia, Type 6. Alternative splicing results in multiple transcript variants.

Alternative Names

EA6; EAAT1; GLAST; GLAST1; excitatory amino acid transporter 1; GLAST-1; sodium-dependent glutamate/aspartate transporter 1; solute carrier family 1 (glial high affinity glutamate transporter), member 3; SLC1A3; Solute carrier family 1 member 3

Gene ID

[6507](#)

UniProt ID

[P43003](#)