

Product Information

MemDX™ Membrane Protein Human SLC38A5 (Solute carrier family 38 member 5) Full

Length

Cat. No.: **MPC0843K**

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

This product is a 51.4 kDa Human SLC38A5 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

SLC38A5

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

51.4 kDa

TMD

11

Sequence

MELQDPKMNALPSDAVGYRQEREGFLPSRGPAPGSKPVQFMDFEGKTSF
GMSVFNLNAIMGSGILGLAYAMAHTGVIFFLALLLCIALLSYSIHLL
TCAGIAGIRAYEQLGQRAFGPAGKVVVATVICLHNVGAMSSYLFIKSEL
PLVIGTFLYMDPEGDWFLKGNLLIIIVSVLIILPLALMKHLGYLGYSGL
SLTCMLFFLVSVIYKKFQLGCAIGHNETAMESEALVGLPSQGLNSSCEAQ
MFTVDSQMSYTVPIMAFAFVCHPEVLPIYTELCRPSKRRMQAVANVSIGA
MFCMYGLTATFGYLTIFYSSVKAEMLMYSQKDPLILCVRLAVLLAVTLTV
PVVLFPIRRALQQLLFPKGAFSWPRHVAIALILLVLNVLVICVPTIRDI
FGVIGSTSAPSLIFILPSIFYLRIVPSEVEPFLSWPKIQALCFGVLGVLF
MAVSLGFMFANWATGQSRMSGH

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**

SLC38A5

Full Name

Solute carrier family 38 member 5

Introduction

The protein encoded by this gene is a system N sodium-coupled amino acid transporter. The encoded protein transports glutamine, asparagine, histidine, serine, alanine, and glycine across the cell membrane, but does not transport charged amino acids, imino acids, or N-alkylated amino acids. Alternative splicing results in multiple transcript variants, but the full-length nature of some of these variants has not been determined.

Alternative Names

SN2; JM24; SNAT5; pp7194; sodium-coupled neutral amino acid transporter 5; solute carrier family 38 (amino acid transporter), member 5; system N transporter 2; transport system N, protein 2; SLC38A5; Solute carrier family 38 member 5

Gene ID

[92745](#)

UniProt ID

[Q8WUX1](#)