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Product Information

MemDX™ Membrane Protein Human SLC6A17 (Solute carrier family 6 member 17) Full Length

Cat. No.: **MPC0904K**
This product is for research use only and is not intended for diagnostic use.

This product is a 81 kDa Human SLC6A17 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
SLC6A17

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
81 kDa

TMD
12

Sequence
MPKNSKVTQREHSSEHVTESVADLLALEEPVDYKQSVLNVAGEAGGKQKA
VEEELDAEDRPAWNSKLQYILAQIGFSVGLGNIWRFPYLCQKNGGGAYLV
PYLVLLIIIGIPLFFLELAVGQRIRRGSIGVWHYICPRLGGIGFSSCIVC
LFVGLYYNVIIGWSIFYFFKSFQYPLPWSECPVVRNGSVAVVEAECEKSS
ATTYFWYREALDISDSISESGGLNWKMTLCLLVAWSIVGMAVVKGIQSSG
KVMYFSSLFPYVVLACFLVRGLLLRGAVDGILHMFTPKLDKMLDPQVWRE
AATQVFFALGLGFGGVIAFSSYNKQDNNCHFDAALVSFINFFTSVLATLV
VFAVLGFKANIMNEKCVVENAEKILGYLNTNVLSRDLIPPHVNFSHLTTK
DYMEMYNVIMTVKEDQFSALGLDPCLLEDELDKSVQGTGLAFIAFTEAMT
HFPASPFWSVMFFLMLINLGLGSMIGTMAGITTPIIDTFKVPKEMFTVGC
CVFAFLVGLLFVQRSGNYFVTMFDDYSATLPLTLIVILENIAVAWIYGTK
KFMQELTEMLGFRPYRFYFYMWKFVSPLCMAVLTTASIIQLGVTPPGYSA
WIKEEAAERYLYFPNWAMALLITLIVVATLPIPVVFVLRHFHLLSDGSNT
LSVSYKKGRMMKDISNLEENDETRFILSKVPSEAPSPMPTHRSYLGPGST
SPLETSGNPNGRYGSGYLLASTPESEL

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

SLC6A17

Full Name

Solute carrier family 6 member 17

Introduction

The protein encoded by this gene is a member of the SLC6 family of transporters, which are responsible for the presynaptic uptake of most neurotransmitters. The encoded vesicular transporter is selective for proline, glycine, leucine and alanine. In mouse, the strongest expression of this gene was in cortical and hippocampal tissues where expression increased during embryonic brain development and peaked postnatally. Defects in this gene cause a form of autosomal recessive intellectual disability.

Alternative Names

NTT4; MRT48; sodium-dependent neutral amino acid transporter SLC6A17; orphan sodium- and chloride-dependent neurotransmitter transporter NTT4; SLC6A17; Solute carrier family 6 member 17

Gene ID

388662

UniProt ID

Q9H1V8

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