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Product Information

MemDX™ Membrane Protein Human SLC24A2 (Solute carrier family 24 member 2) Full Length

Cat. No.: **MPC1937K**
This product is for research use only and is not intended for diagnostic use.

This product is a 73.6 kDa Human SLC24A2 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
SLC24A2

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
73.6 kDa

TMD
11

Sequence
MDLQQSTTITSLEKWCLDESLSGCRRHYSVKKKLKLIRVLGLFMGLVAIS
TVSFSISAFSETDTQSTGEASVVSGPRVAQGYHQRTLLDLNDKILDYTPQ
PPLSKEGESENSTDHAQGDYPKDIFSLEERRKGAIILHVIGMIYMFIALA
IVCDEFFVPSLTVITEKLGISDDVAGATFMAAGGSAPELFTSLIGVFIAH
SNVGIGTIVGSAVFNILFVIGMCALFSREILNLTWWPLFRDVSFYIVDLI
MLIIFFLDNVIMWWESLLLLTAYFCYVVFMKFNVQVEKWVKQMINRNKVV
KVTAPEAQAKPSAARDKDEPTLPAKPRLQRGGSSASLHNSLMRNSIFQLM
IHTLDPLAEELGSYGKLKYYDTMTEEGRFREKASILHKIAKKKCHVDENE
RQNGAANHVEKIELPNSTSTDVEMTPSSDASEPVQNGNLSHNIEGAEAQT
ADEEEDQPLSLAWPSETRKQVTFLIVFPIVFPLWITLPDVRKPSSRKFFP
ITFFGSITWIAVFSYLMVWWAHQVGETIGISEEIMGLTILAAGTSIPDLI
TSVIVARKGLGDMAVSSSVGSNIFDITVGLPLPWLLYTVIHRFQPVAVSS
NGLFCAIVLLFIMLLFVILSIALCKWRMNKILGFIMFGLYFVFLVVSVLL
EDRILTCPVSI

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

SLC24A2

Full Name

Solute carrier family 24 member 2

Introduction

This gene encodes a member of the calcium/cation antiporter superfamily of transport proteins. The encoded protein belongs to the SLC24 branch of exchangers, which can mediate the extrusion of one Ca2+ ion and one K+ ion in exchange for four Na+ ions. This family member is a retinal cone/brain exchanger that can mediate a light-induced decrease in free Ca2+ concentration. This protein may also play a neuroprotective role during ischemic brain injury. Alternative splicing results in multiple transcript variants.

Alternative Names

SLC24A2; NCKX2; sodium/potassium/calcium exchanger 2; Na(+)/K(+)/Ca(2+)-exchange protein 2; retinal cone Na-Ca+K exchanger; solute carrier family 24 (sodium/potassium/calcium exchanger), member 2; Solute carrier family 24 member 2

Gene ID

25769

UniProt ID

Q9UI40