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Product Information

MemDX™ Membrane Protein Human SLC29A1 (Solute carrier family 29 member 1 (Augustine blood group)) Full Length

Cat. No.: **MPC0807K**
This product is for research use only and is not intended for diagnostic use.

This product is a 50.2 kDa Human SLC29A1 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
SLC29A1

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
50.2 kDa

TMD
11

Sequence
MTTSHQPQDRYKAVWLIFFMLGLGTLLPWNFFMTATQYFTNRLDMSQNVS
LVTAELSKDAQASAAPAAPLPERNSLSAIFNNVMTLCAMLPLLLFTYLNS
FLHQRIPQSVRILGSLVAILLVFLITAILVKVQLDALPFFVITMIKIVLI
NSFGAILQGSLFGLAGLLPASYTAPIMSGQGLAGFFASVAMICAIASGSE
LSESAFGYFITACAVIILTIICYLGLPRLEFYRYYQQLKLEGPGEQETKL
DLISKGEEPRAGKEESGVSVSNSQPTNESHSIKAILKNISVLAFSVCFIF
TITIGMFPAVTVEVKSSIAGSSTWERYFIPVSCFLTFNIFDWLGRSLTAV
FMWPGKDSRWLPSLVLARLVFVPLLLLCNIKPRRYLTVVFEHDAWFIFFM
AAFAFSNGYLASLCMCFGPKKVKPAEAETAGAIMAFFLCLGLALGAVFSF
LFRAIV

Product Description

Expression Systems
HEK293

Tag

Flag and 10xHis tag at the C-terminus

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

SLC29A1

Full Name

Solute carrier family 29 member 1 (Augustine blood group)

Introduction

This gene is a member of the equilibrative nucleoside transporter family. The gene encodes a transmembrane glycoprotein that localizes to the plasma and mitochondrial membranes and mediates the cellular uptake of nucleosides from the surrounding medium. The protein is categorized as an equilibrative (as opposed to concentrative) transporter that is sensitive to inhibition by nitrobenzylthioinosine (NBMPR). Nucleoside transporters are required for nucleotide synthesis in cells that lack de novo nucleoside synthesis pathways, and are also necessary for the uptake of cytotoxic nucleosides used for cancer and viral chemotherapies. Multiple alternatively spliced variants, encoding the same protein, have been found for this gene.

Alternative Names

ENT1; equilibrative nucleoside transporter 1; equilibrative nitrobenzylmercaptopurine riboside (NBMPR)-sensitive nucleoside transporter; nucleoside transporter, es-type; solute carrier family 29 (equilibrative nucleoside transporter), member 1; solute carrier family 29 (nucleoside transporters), member 1; SLC29A1; Solute carrier family 29 member 1 (Augustine blood group)

Gene ID

2030

UniProt ID

Q99808