

Product Information

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

Cat. No.: **MP0210J**

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

This product is a 50 kDa Human SLC29A1 membrane protein expressed in HEK293T. 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

Transmembrane

Molecular Weight

50 kDa

TMD

11

Sequence

MTTSHQPQDRYKAVWLIFFMLGLGTLLPWNFFMTATQYFTNRLDMSQNVSLVTAELSKDAQASAAPAAPL
PERNSLSAIFNNVMTLCAMLPLLLFTYLNLSFLHQRIPQSVRILGSLVAILLVFLITAILVKVQLDALPFF
VITMIKIVLINSFGAILQGSLFGLAGLLPASYPIMSGQGLAGFFASVAMICAIASGSELSAFAFYFI
TACAVIILTIIICYLGLPRLEFYRYYYQQLKLEGPGEQETKLDLISKGEEPRAKKEESGVSVSNSQPTNESH
SIKAILKNISVLAFSVCFITITIGMFPAVTVEVKSSIAGSSTWERYFIPVSCFLT FNIFDWLGRSLTAV
FMWPGKDSRWLPSLVLARLVFVPLLLLCNIKPRRYLT VVFEHDAWFIFFMAAFASFNGYLASLCMCFGPK
KVKPAEAEETAGAIMAFFLCLGLALGAVFSFLFRAIV

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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; solute carrier family 29 (equilibrative nucleoside transporter), member 1; solute carrier family 29 (nucleoside transporters), member 1; nucleoside transporter, es-type

Gene ID

[2030](#)

UniProt ID

[Q99808](#)