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Product Information

MemDX™ Membrane Protein Human SLC52A1 (Solute carrier family 52 member 1) Full Length

Cat. No.: **MPC0877K**
This product is for research use only and is not intended for diagnostic use.

This product is a 46.3 kDa Human SLC52A1 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
SLC52A1

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
46.3 kDa

TMD
11

Sequence
MAAPTLGRLVLTHLLVALFGMGSWAAVNGIWVELPVVVKDLPEGWSLPSY
LSVVVALGNLGLLVVTLWRQLAPGKGEQVPIQVVQVLSVVGTALLAPLWH
HVAPVAGQLHSVAFLTLALVLAMACCTSNVTFLPFLSHLPPPFLRSFFLG
QGLSALLPCVLALVQGVGRLECPPAPTNGTSGPPLDFPERFPASTFFWAL
TALLVTSAAAFRGLLLLLPSLPSVTTGGSGPELQLGSPGAEEEEKEEEEA
LPLQEPPSQAAGTIPGPDPEAHQLFSAHGAFLLGLMAFTSAVTNGVLPSV
QSFSCLPYGRLAYHLAVVLGSAANPLACFLAMGVLCRSLAGLVGLSLLGM
LFGAYLMALAILSPCPPLVGTTAGVVLVVLSWVLCLCVFSYVKVAASSLL
HGGGRPALLAAGVAIQVGSLLGAGAMFPPTSIYHVFQSRKDCVDPCGP

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

SLC52A1

Full Name

Solute carrier family 52 member 1

Introduction

Biological redox reactions require electron donors and acceptor. Vitamin B2 is the source for the flavin in flavin adenine dinucleotide (FAD) and flavin mononucleotide (FMN) which are common redox reagents. This gene encodes a member of the riboflavin (vitamin B2) transporter family. Haploinsufficiency of this protein can cause maternal riboflavin deficiency. Multiple alternatively spliced variants, encoding the same protein, have been identified.

Alternative Names

PAR2; RFT1; RBFVD; RFVT1; hRFT1; GPCR42; GPR172B; huPAR-2; solute carrier family 52, riboflavin transporter, member 1; G protein-coupled receptor 172B; G-protein coupled receptor GPCR42; PERV-A receptor 2; porcine endogenous retrovirus A receptor 2; solute carrier family 52 (riboflavin transporter), member 1; SLC52A1; Solute carrier family 52 member 1

Gene ID

55065

UniProt ID

Q9NWF4