

Product Information

MemDX™ Membrane Protein Human SLC19A2 (Solute carrier family 19 member 2) Full

Length

Cat. No.: **MPC0758K**

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

This product is a 55.4 kDa Human SLC19A2 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

SLC19A2

Protein Length

Full length

Protein Class

Transporter

Molecular Weight

55.4 kDa

TMD

12

Sequence

MDVPGPVSRRAAAAAATVLLRTARVRRECWFLPTALLCAYGFFASLRPSE
PFLTPYLLGPDKNLTEREVFNEIYPVWTYSYLVLFPVFLATDYLRYPV
VLLQGLSLIVTWFMMLLYAQGLLAIQFLEFFYGIATATEIAYYSYIYSVVD
LGMVQKVTSYCRSATLVGFTVGSVLGQILVSVAGWSLFSNLVISLTCVSV
AFAVAWFLPMPQKSLFFHHIPSTCQRVNGIKVQNGGIVTDTPASNHLPGW
EDIESKIPLNMEPPVEEPEPKPDRLLVLKVLWNDFLMCYSSRPLLCSV
WWALSTCGYFQVVNYTQGLWEKVMPSRYAAIYNGGVEAVSTLLGAVAVFA
VGYIKISWSTWGEMTSLFSLIIAAVYIMDTVGNIWVCYASYVVFRIY
MLLTIATFQIAANLSMERYALVFGVNTFIALALQTLTLIVVDASGLGL
EITTQFLIYASYFALIAVVFLASGAVSVMKKCRKLEDPQSSSQVTTTS

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**

SLC19A2

Full Name

Solute carrier family 19 member 2

Introduction

This gene encodes the thiamin transporter protein. Mutations in this gene cause thiamin-responsive megaloblastic anemia syndrome (TRMA), which is an autosomal recessive disorder characterized by diabetes mellitus, megaloblastic anemia and sensorineural deafness. Two transcript variants encoding different isoforms have been found for this gene.

Alternative Names

TC1; THT1; TRMA; THMD1; THTR1; thiamine transporter 1; high affinity thiamine transporter; reduced folate carrier protein (RFC) like; solute carrier family 19 (thiamine transporter), member 2; thTr-1; SLC19A2; Solute carrier family 19 member 2

Gene ID

[10560](#)

UniProt ID

[O60779](#)