

Product Information

MemDX™ Membrane Protein Human SLC5A1 (Solute carrier family 5 member 1) for Antibody Discovery

Cat. No.: **MP1250X**

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

This product is a 99.99 kDa Human SLC5A1 membrane protein expressed in *In vitro* wheat germ expression system. 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

SLC5A1

Protein Length

Full-length

Molecular Weight

99.99 kDa

TMD

13

Sequence

MDSSTWSPKTTAVTRPVETHELIRNAADISIIYFVVVMAVGLWAMFSTNRGTVGGFFLAGRSMVWWPIGASLFASNIGSGHFVGL

Product Description

Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

Expression Systems

in vitro wheat germ expression system

Tag

GST-tag at N-terminal

Protein Format

Liposome

Form

Liquid

Purification

Glutathione Sepharose 4 Fast Flow

Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0

Storage

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

Target

Target Protein

SLC5A1

Full Name

Solute carrier family 5 member 1

Introduction

This gene encodes a member of the sodium-dependent glucose transporter (SGLT) family. The encoded integral membrane protein is the primary mediator of dietary glucose and galactose uptake from the intestinal lumen. Mutations in this gene have been associated with glucose-galactose malabsorption. Multiple transcript variants encoding different isoforms have been found for this gene.

Alternative Names

NAGT; SGLT1; D22S675; sodium/glucose cotransporter 1; Na⁺/glucose cotransporter 1; high affinity sodium-glucose cotransporter; solute carrier family 5 (sodium/glucose cotransporter), member 1

Gene ID

[6523](#)

UniProt ID

[P13866](#)