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Product Information

MemDX™ Membrane Protein Human SLC5A2 (Solute carrier family 5 member 2) Expressed *in vitro E.coli* expression system for Antibody Discovery, Partial (1-102aa)

Cat. No.: **MPX0853K**
This product is for research use only and is not intended for diagnostic use.

This product is a 30.5kDa Human SLC5A2 membrane protein expressed *in vitro E.coli* 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
SLC5A2

Protein Length
Partial (1-102aa)

Protein Class
Transport

Molecular Weight
30.5kDa

TMD
11

Sequence
MEEHTEAGSAPEMGAQKALIDNPADILVIAAYFLLVIGVGLWSMCRTNRGTVGGYFLAGRSMVWWPVGASLFASNIGSGHFVGLAG

Product Description

Expression Systems
in vitro E.coli expression system

Tag
10xHis and SUMO tag at the N-terminus, Myc tag at the C-terminus

Protein Format
Soluble

Form

Liquid

Purity

>90% as determined by SDS-PAGE.

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

SLC5A2

Full Name

Solute carrier family 5 member 2

Introduction

This gene encodes a member of the sodium glucose cotransporter family which are sodium-dependent glucose transport proteins. The encoded protein is the major cotransporter involved in glucose reabsorption in the kidney. Mutations in this gene are associated with renal glucosuria. Two transcript variants, one protein-coding and one not, have been found for this gene.

Alternative Names

SLC5A2; SGLT2; sodium/glucose cotransporter 2; Na(+)/glucose cotransporter 2; low affinity sodium-glucose cotransporter; solute carrier family 5 (sodium/glucose cotransporter), member 2; solute carrier family 5 (sodium/glucose transporter), member 2; Solute carrier family 5 member 2

Gene ID

6524

UniProt ID

P31639

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