

# Product Information

## MemDX™ Membrane Protein Human SLC5A10 (Solute carrier family 5 member 10) for Antibody Discovery

Cat. No.: **MP1251X**

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

This product is a 62.3 kDa Human SLC5A10 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

SLC5A10

#### Protein Length

Full-length

#### Molecular Weight

62.3 kDa

#### TMD

14

#### Sequence

MTWWPIGASLFFASSEGSGLFIGLAGSGAAGGLAVAGFEWNATYVLLALAWVFVPIYISSEIVTLPEYIQKRYGGQRIRMYLSVLSLLS

### Product Description

#### Application

Antibody Production

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

NO

#### Protein Format

Liposome

#### Form

Liquid

**Purification**

None

**Buffer**

25 mM Tris-HCl of pH8.0 containing 2% glycerol

**Storage**

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

**Target****Target Protein**

SLC5A10

**Full Name**

Solute carrier family 5 member 10

**Introduction**

This gene is a member of the sodium/glucose transporter family. Members of this family are sodium-dependent transporters and can be divided into two subfamilies based on sequence homology, one that co-transporters sugars and the second that transports molecules such as ascorbate, choline, iodide, lipoate, monocarboxylates, and pantothenate. The protein encoded by this gene has the highest affinity for mannose and has been reported to be most highly expressed in the kidney. This protein may function as a kidney-specific, sodium-dependent mannose and fructose co-transporter. Alternative splicing results in multiple transcript variants that encode different protein isoforms.

**Alternative Names**

SGLT5; SGLT-5; sodium/glucose cotransporter 5; Na(+)/glucose cotransporter 5; solute carrier family 5 (sodium/glucose cotransporter), member 10; solute carrier family 5 (sodium/sugar cotransporter), member 10

**Gene ID**

[125206](#)

**UniProt ID**

[A0PJK1](#)