

## Product Information

### MemDX™ Membrane Protein Human SLC28A1 (Solute carrier family 28 member 1) for Antibody Discovery

Cat. No.: **MP1200X**

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

This product is a 71.4 kDa Human SLC28A1 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

SLC28A1

##### Protein Length

Full-length

##### Molecular Weight

71.4 kDa

##### TMD

13

##### Sequence

MENDPSRRRESISLTPVAKGLENMGADFLESLEEGQLPRSDLSPAEIRSSWSEAAPKPF SRWRNLQPALRARSFCREHMQLFRWI

#### Product Description

##### Application

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

##### Expression Systems

*in vitro* wheat germ expression system

##### Tag

NO

##### 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**

SLC28A1

### **Full Name**

Solute carrier family 28 member 1

### **Introduction**

Sodium-dependent and pyrimidine-selective transporter. Exhibits the transport characteristics of the nucleoside transport system cit or N2 subtype (N2/cit) (selective for pyrimidine nucleosides and adenosine). Transports uridine, cytidine, thymidine, and nucleoside-derived drugs. Transports the antiviral pyrimidine nucleoside analogs 3'-azido-3'-deoxythymidine (AZT) and 2',3'-dideoxycytidine (ddC). It may be involved in the intestinal absorption and renal handling of pyrimidine nucleoside analogs used to treat acquired immunodeficiency syndrome (AIDS). It has the following selective inhibition: adenosine, thymidine, cytidine, uridine>> guanosine, inosine.

### **Alternative Names**

CNT1; HCNT1; URCTU; sodium/nucleoside cotransporter 1; Na(+)/nucleoside cotransporter 1; concentrative nucleoside transporter 1; sodium-coupled nucleoside transporter 1; solute carrier family 28 (concentrative nucleoside transporter), member 1; solute carrier family 28 (sodium-coupled nucleoside transporter), member 1

### **Gene ID**

[9154](#)

### **UniProt ID**

[O00337](#)