

# Product Information

## MemDX™ Membrane Protein Human SLC30A5 (Solute carrier family 30 member 5) for Antibody Discovery

Cat. No.: **MP1209X**

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

This product is a 38.72 kDa Human SLC30A5 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

SLC30A5

#### Protein Length

Full-length

#### Molecular Weight

38.72 kDa

#### TMD

16

#### Sequence

MEEKYGGDVLAGPGGGGGLGPVDVPSARLTKYIVLLCFTKFLKAVGLFESYDLLKAVHIVQFIFILKLGTAFFMVLFQKPFSSGKTITK

### 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**

SLC30A5

### **Full Name**

Solute carrier family 30 member 5

### **Introduction**

This gene encodes a member of the SLC30A/ZnT family of zinc transporter proteins. ZnT proteins mediate both cellular zinc efflux and zinc sequestration into membrane-bound organelles. The encoded protein plays a role in the early secretory pathway as a heterodimer with zinc transporter 6, and may also regulate zinc sequestration into secretory granules of pancreatic beta cells. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene, and a pseudogene of this gene is located on the long arm of chromosome 19.

### **Alternative Names**

ZNT5; ZTL1; ZNTL1; ZnT-5; zinc transporter 5; solute carrier family 30 (zinc transporter), member 5; zinc transporter ZTL1; znT-like transporter 1

### **Gene ID**

[64924](#)

### **UniProt ID**

[Q8TAD4](#)