

# Product Information

## MemDX™ Membrane Protein Human SLC39A8 (Solute carrier family 39 member 8) for Antibody Discovery

Cat. No.: **MP1239X**

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

This product is a 76 kDa Human SLC39A8 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

SLC39A8

#### Protein Length

Full-length

#### Molecular Weight

76 kDa

#### TMD

6

#### Sequence

MAPGRAVAGLLLLAAAGLGGVAEGPGLAFSEDLVSVFGANLSLSAAQLQHLLLEQMGAASRVGVPEPGQLHFNQCLTAEEIFSLHGF

### 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**

SLC39A8

### **Full Name**

Solute carrier family 39 member 8

### **Introduction**

This gene encodes a member of the SLC39 family of solute-carrier genes, which show structural characteristics of zinc transporters. The encoded protein is glycosylated and found in the plasma membrane and mitochondria, and functions in the cellular import of zinc at the onset of inflammation. It is also thought to be the primary transporter of the toxic cation cadmium, which is found in cigarette smoke. Multiple transcript variants encoding different isoforms have been found for this gene. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

### **Alternative Names**

ZIP8; CDG2N; PP3105; BIGM103; LZT-Hs6; metal cation symporter ZIP8; BCG induced integral membrane protein BIGM103; BCG-induced integral membrane protein in monocyte clone 103 protein; LIV-1 subfamily of ZIP zinc transporter 6; ZIP-8; Zrt- and Irt-like protein 8; solute carrier family 39 (metal ion transporter), member 8; zinc transporter ZIP8

### **Gene ID**

[64116](#)

### **UniProt ID**

[Q9C0K1](#)