

# Product Information

## MemDX™ Membrane Protein Human SLC8A3 (Solute carrier family 8 member A3) for Antibody Discovery

Cat. No.: **MP1271X**

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

This product is a 57.5 kDa Human SLC8A3 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

SLC8A3

#### Protein Length

Full-length

#### Molecular Weight

57.5 kDa

#### TMD

11

#### Sequence

MEEEEAKRIAEMGKPVLGHPKLEVIIIEESYEFKTTVDKLIKTNLALVVGTHSWRDQFMEAITVSAAGDEDEDESGEERLPSCFDY

### 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**

SLC8A3

### **Full Name**

Solute carrier family 8 member A3

### **Introduction**

This gene encodes a member of the sodium/calcium exchanger integral membrane protein family. Na<sup>+</sup>/Ca<sup>2+</sup> exchange proteins are involved in maintaining Ca<sup>2+</sup> homeostasis in a wide variety of cell types. The protein is regulated by intracellular calcium ions and is found in both the plasma membrane and intracellular organellar membranes, where exchange of Na<sup>+</sup> for Ca<sup>2+</sup> occurs in an electrogenic manner. Alternative splicing has been observed for this gene and multiple variants have been described.

### **Alternative Names**

NCX3; sodium/calcium exchanger 3; Na<sup>(+)</sup>/Ca<sup>(2+)</sup>-exchange protein 3; sodium/calcium exchanger SLC8A3; solute carrier family 8 (sodium/calcium exchanger), member 3

### **Gene ID**

[6547](#)

### **UniProt ID**

[P57103](#)