

# Product Information

## MemDX™ Membrane Protein Human SLC39A1 (Solute carrier family 39 member 1) Full

### Length

Cat. No.: **MPC0844K**

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

This product is a 34.2 kDa Human SLC39A1 membrane protein expressed in HEK293. 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

SLC39A1

#### Protein Length

Full length

#### Protein Class

Transporter

#### Molecular Weight

34.2 kDa

#### TMD

8

#### Sequence

MGPWGEPELLVWRPEAVASEPPVPVGVLEVKLGALVLLLVLTLCSLVPIC  
VLRPGANHEGSASRQKALSLVSCFAGGVFLATCLLDLLPDYLAIDEAL  
AALHVTLQFPLQEFILAMGFFLVLMQITLAYKEQSGPSPLEETRALLG  
TVNGGPQHWHDGPGVPQASGAPATPSALRACVLVFSALHVSFEGLA VGL  
QRDRARAMELCLALLHKGILAVSLSLRLLQSHLRAQVVAGCGILFSCMT  
PLGIGLGAALAESAGPLHQLAQSVLEGMAAGTFLYITFLEILPQELASSE  
QRILKVILLLAGFALLTGLLFIQI

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

SLC39A1

**Full Name**

Solute carrier family 39 member 1

**Introduction**

This gene encodes a member of the zinc-iron permease family. The encoded protein is localized to the cell membrane and acts as a zinc uptake transporter. This gene has been linked to prostate cancer, breast cancer, and Alzheimer's disease. Alternative splicing results in multiple transcript variants.

**Alternative Names**

ZIP1; ZIRT1; zinc transporter ZIP1; solute carrier family 39 (zinc transporter), member 1; solute carrier family 39 (zinc transporter), member 3; zrt- and Irt-like protein 1; SLC39A1; Solute carrier family 39 member 1

**Gene ID**

[27173](#)

**UniProt ID**

[Q9NY26](#)