

# Product Information

## MemDX™ Membrane Protein Human SLC40A1 (Solute carrier family 40 member 1) for Antibody Discovery

Cat. No.: **MP1242X**

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

This product is a 88.9 kDa Human SLC40A1 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

SLC40A1

#### Protein Length

Full-length

#### Molecular Weight

88.9 kDa

#### TMD

10

#### Sequence

MTRAGDHNRRQRCGSLADYLTSAKFLLYLGHSLSTWGDRMWHFAVSVFLVELYGNLLLLTAVYGLVVAGSVLVLGAIIGDWVDK

### 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**

SLC40A1

**Full Name**

Solute carrier family 40 member 1

**Introduction**

The protein encoded by this gene is a cell membrane protein that may be involved in iron export from duodenal epithelial cells. Defects in this gene are a cause of hemochromatosis type 4 (HFE4).

**Alternative Names**

FPN1; HFE4; MTP1; IREG1; MST079; MSTP079; SLC11A3; solute carrier family 40 member 1; iron regulated gene 1; solute carrier family 11 (proton-coupled divalent metal ion transporters), member 3; solute carrier family 40 (iron-regulated transporter), member 1

**Gene ID**

[30061](#)

**UniProt ID**

[Q9NP59](#)