

# Product Information

## MemDX™ Membrane Protein Human SLC37A4 (Solute carrier family 37 member 4) for Antibody Discovery

Cat. No.: **MP1227X**

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

This product is a 72.8 kDa Human SLC37A4 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

SLC37A4

#### Protein Length

Full-length

#### Molecular Weight

72.8 kDa

#### TMD

10

#### Sequence

MAAQGYGYRTVIFSAMFGGYSLYYFNRKTFVMPSLVEEIPDKDDLGFITSSQSAAYAISKFVSGVLSQMSARWLFSSGLLLV

### 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**

SLC37A4

**Full Name**

Solute carrier family 37 member 4

**Introduction**

This gene regulates glucose-6-phosphate transport from the cytoplasm to the lumen of the endoplasmic reticulum, in order to maintain glucose homeostasis. It also plays a role in ATP-mediated calcium sequestration in the lumen of the endoplasmic reticulum. Mutations in this gene have been associated with various forms of glycogen storage disease. Alternative splicing in this gene results in multiple transcript variants.

**Alternative Names**

G6PT1; G6PT2; G6PT3; GSD1b; GSD1c; GSD1d; TRG19; TRG-19; PRO0685

**Gene ID**

[2542](#)

**UniProt ID**

[Q43826](#)