

# Product Information

## MemDX™ Membrane Protein Human SLC66A1 (Solute carrier family 66 member 1) for Antibody Discovery

Cat. No.: **MP1038X**

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

This product is a 51.2 kDa Human SLC66A1 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

SLC66A1

#### Protein Length

Full-length

#### Molecular Weight

51.2 kDa

#### TMD

7

#### Sequence

MDQALSLWFLLGWIGGDSCNLIGSFLADQLPLQTYTAVYYVLADLVMLTLYFYYKFRTRPSLLSAPINSVLLFLMGMACATPLLSAAC

### 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

#### Form

Liquid

#### Purification

## Glutathione Sepharose 4 Fast Flow

### Buffer

50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5

### Storage

Store at +4°C for up to one week or several months at -80°C

## Target

### Target Protein

SLC66A1

### Full Name

Solute carrier family 66 member 1

### Introduction

Amino acid transporter that specifically mediates the pH-dependent export of the cationic amino acids arginine, histidine and lysine from lysosomes.

### Alternative Names

LAAT1; PQLC2; LAAT-1; lysosomal amino acid transporter 1 homolog; PQ loop repeat containing 2; PQ-loop repeat-containing protein 2

### Gene ID

[54896](#)

### UniProt ID

[Q6ZP29](#)