

# Product Information

## **MemDX™ Membrane Protein Human SLC16A1 (Solute carrier family 16 member 1)**

**expressed in *In vitro* wheat germ expression system for Antibody Discovery**

Cat. No.: **MP1149X**

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

This product is a 80.4 kDa Human SLC16A1 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**

SLC16A1

#### **Protein Length**

Full-length

#### **Molecular Weight**

80.4 kDa

#### **TMD**

12

#### **Sequence**

MPPAVGGPVGYPDPDGGWGWAVVIGAFISIGFSYAFPKSITVFFKEIEGIFHATTSEVSWISSIMLAVMYGGGPISILVNKYGSRIVM

### 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**

SLC16A1

**Full Name**

Solute carrier family 16 member 1

**Introduction**

The protein encoded by this gene is a proton-linked monocarboxylate transporter that catalyzes the movement of many monocarboxylates, such as lactate and pyruvate, across the plasma membrane. Mutations in this gene are associated with erythrocyte lactate transporter defect. Alternatively spliced transcript variants have been found for this gene.

**Alternative Names**

MCT; HHF7; MCT1; MCT1D; monocarboxylate transporter 1; MCT 1; solute carrier family 16 (monocarboxylate transporter), member 1; solute carrier family 16 (monocarboxylic acid transporters), member 1; solute carrier family 16, member 1 (monocarboxylic acid transporter 1)

**Gene ID**

[6566](#)

**UniProt ID**

[P53985](#)