

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

MPPAVGGPVGYTPPDGGWGVAVVIGAFISIGFSYAFPKSITVFFKEIEGIFHATTSEVSWISSIMLAVMYGGGPISSILVNKYGSRIVM

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](#)