

# Product Information

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

### Length

Cat. No.: **MPC0739K**

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

This product is a 53.9 kDa Human SLC16A1 membrane protein expressed in Baculovirus/Insect 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

#### Protein Class

Transporter

#### Molecular Weight

53.9 kDa

#### TMD

12

#### Sequence

MPPAVGGPVGYPDPDGGWGWAVVIGAFISIGFSYAFPKSITVFFKEIEGI  
FHATTSEVSWISSIMLAVMYGGGPISSILVNKYGSRIVMIVGGCLSGCGL  
IAASFCNTVQQLYVCIGVIGGLGLAFNLNPALTMIGKYFYKRRPLANGLA  
MAGSPVFLCTLAPLNQVFFGIFGWRGSFLILGGLLLNCCVAGALMRPIGP  
KPTKAGKDKSKASLEKAGKSGVKKDLHDANTDLIGRHPKQEKRSVFQTIN  
QFLDLTLFTHRGFLLYLSGNVIMFFGLFAPLVFLSSYGKSQHYSSSEKSAF  
LLSILAFVDMVARPSMGLVANTKPIRPRIQYFFAASVVANGVCHMLAPLS  
TTYVGFCVYAGFFGFAGWLSSVLFETLMDLVGPQRFSSAVGLVTIVECC  
PVLLGPPLLGRLLNDMYGDYKYTYWACGVVLIISGIYLFIMGINIRLLAK  
EQKANEQKKESKEEETSIDVAGKPNEVTKAAESPQDKDTDGGPKEEESPV

### Product Description

#### Expression Systems

Baculovirus/Insect expression system

**Tag**

6xHis tag at the C-terminus

**Protein Format**

Detergent or based on specific requirements

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

**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); SLC16A1; Solute carrier family 16 member 1

**Gene ID**

[6566](#)

**UniProt ID**

[P53985](#)