

## Product Information

### MemDX™ Membrane Protein Human SLC2A4 (Solute carrier family 2 member 4) Full Length

Cat. No.: **MPC0814K**

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

This product is a 54.7 kDa Human SLC2A4 membrane protein expressed in HEK293. 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

SLC2A4

##### Protein Length

Full length

##### Protein Class

Transporter

##### Molecular Weight

54.7 kDa

##### TMD

12

##### Sequence

MPSGFQQIGSEDGEPPQQRTVTGTLVLA  
VFAVLGSLQFGYNIGVINAPQK  
VIEQSYNETWLGRQGPEGPSSIPPGTLL  
WALSVAIFSVGGMISSFLIG  
IISQWLGRKRAMLVNNVLA  
VLGGSLMGLANA  
AAASYEM  
LILGRFLIGAYSG  
LTSGLVP  
PMYVGEIAPTH  
LRGALGTLN  
QLAIVIGILIA  
QV  
LGLESLLGTAS  
LWPL  
LLLGLTVLP  
ALLQLV  
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#### Product Description

##### Expression Systems

HEK293

##### Tag

Based on specific requirements

**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 -72°C or lower. Avoid freeze/thaw cycles.

**Target**

**Target Protein**

SLC2A4

**Full Name**

Solute carrier family 2 member 4

**Introduction**

This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM).

**Alternative Names**

GLUT4; solute carrier family 2, facilitated glucose transporter member 4; glucose transporter type 4, insulin-responsive; insulin-responsive glucose transporter type 4; solute carrier family 2 (facilitated glucose transporter), member 4; GLUT-4; SLC2A4; Solute carrier family 2 member 4

**Gene ID**

[6517](#)

**UniProt ID**

[P14672](#)