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Product Information

MemDX™ Membrane Protein Human SLC2A4 (Solute carrier family 2 member 4) expressed in *In vitro* wheat germ expression system for Antibody Discovery

Cat. No.: **MP1206X**
This product is for research use only and is not intended for diagnostic use.

This product is a 81.2 kDa Human SLC2A4 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
SLC2A4

Protein Length
Full-length

Molecular Weight
81.2 kDa

TMD
12

Sequence
MPSGFQQIGSEDGEPPQQRVTGTLVLAVFSAVLGSLQFGYNIGVINAPQKVIEQSYNETWLGRQGPEGPSSIPPGTLTTLWALSVAI

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

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

Gene ID

6517

UniProt ID

P14672

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