

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

MPSGFQQIGSEGEPPQQRVTGTLVLAVFSAVLGSLQFGYNIGVINAPQK
VIEQSYNETWLGRQGPEGSSIPPGLTTLWALSVAIFSVGGMISSFLIG
IISQWLGRKRAMLVNNVLAVLGGSLMGLANAAASYEMLILGRFLIGAYSG
LTSGLVPMYVGEIAPTHLRGALGTNLQLAIVIGILIAQVLGLESLLGTAS
LWPLLLGLTVLPALLQLVLLPFCPESPRYLYIIQNLEGPARKSLKRLTGW
ADVSGVLAELKDEKRLERERPLSLLQLLGSRTHRQPLIIAVVLQLSQQL
SGINAVFYYSTSIFETAGVGQPAYATIGAGVVNTVFTLVSVLLVERAGR
TLHLLGLAGMCGCAILMTVALLLLERVPA MSYVSIVAIFGFVAF FEIGPG
PIPWFI VAE LFSQGP RPAA M AVAGFSN WTSNFIIGMGFQYVAEAMGPYVF
LLFAVLLL GFFIFTFLRVPETRGR TFDQISAAFHRTPSLLEQEVKPS TEL
EYLGPDEND

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](#)