

Recombinant Full Length Human SLC2A4 Protein, GST-tagged

Cat. No. SLC2A4-632HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SLC2A4(1 a.a. - 509 a.a.)fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	509 amino acids
Description	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).
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	81.2 kDa
AA Sequence	MPSGFQQIGS EDGEPPQQRV TGTLVLAVFS AVLGSLQFGY NIGVINAPQK VIEQSYNETW LGRQGPEGPS SIPPGLTTL WALSVAFISV GGMISSFLIG IISQWLGRKR AMLVNNVLAV LGGSLMGLAN AAASYEMLIL GRFLIGAYSG LTSGLVPMYV GEIAPTHLRG ALGTLNQLAI VIGILIAQVL GLESL LGTAS

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LWPLLLGLTV LPALLQLVLL PFCPESPRYL YIIQNLEGPA RKSLKRLTGW
 ADVSGVLAEL KDEKRKLERE RPLSLLQLLG SRTHRQPLII AVVLQLSQQL
 SGINAVFYYS TSIFETAGVG QPAYATIGAG VVNTVFTLVS VLLVERAGRR
 TLHLLGLAGM CGCAILMTVA LLLLERVPAM SYVSIVAIFG FVAFFEIGPG
 PIPWFIVAEL FSQGPRPAAM AVAGFSNWTS NFIIGMGFQY VAEAMGPYVF
 LLFAVLLLG FIFTFLRVPE TRGRTFDQIS AAFHRTPSLL EQEVKPSTEL
 EYLGPDEND

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

[SLC2A4 solute carrier family 2 \(facilitated glucose transporter\), member 4 \[Homo sapiens \]](#)

Official Symbol

[SLC2A4](#)

Synonyms

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

Gene ID

[6517](#)

mRNA Refseq

[NM_001042](#)

Protein Refseq

[NP_001033](#)

MIM

[138190](#)

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UniProt ID

P14672

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