Recombinant Human SLC2A4 protein, His & GST-tagged

Cat. No. SLC2A4-1644H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC2A4 aa. (Arg228~Val292 (Accession # P14672)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg228~Val292
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	Freeze-dried powder
Molecular Mass	41kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%

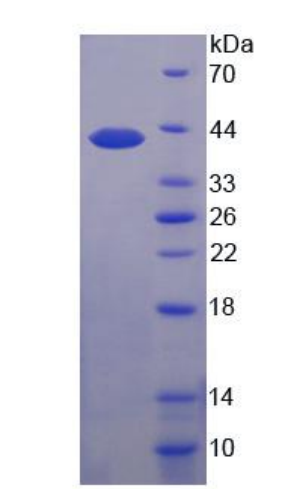
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	10.4

GENE INFORMATION

Gene Name	SLC2A4 solute carrier family 2 member 4 [Homo sapiens (human)]
Official Symbol	SLC2A4
Synonyms	SLC2A4; solute carrier family 2 member 4; 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
mRNA Refseq	NM_001042.2

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Protein Refseq	NP_001033.1
UniProt ID	P14672
SDS-PAGE	 15% SDS-PAGE

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