Recombinant Human SLC2A14 protein, His & T7-tagged

Cat. No. SLC2A14-1201H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC2A14 aa. (Met1~Val105 (Accession # Q8TDB8) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Val105
Description	Members of the glucose transporter (GLUT) family, including SLC2A14, are highly conserved integral membrane proteins that transport hexoses such as glucose and fructose into all mammalian cells. GLUTs show tissue and cell-type specific expression (Wu and Freeze, 2002 [PubMed 12504846]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 14.9kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.9.
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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 PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	SLC2A14 solute carrier family 2 member 14 [Homo sapiens (human)]
Official Symbol	SLC2A14
Synonyms	SLC2A14; solute carrier family 2 member 14; GLUT14; SLC2A3P3; solute carrier family 2, facilitated glucose transporter member 14; glucose transporter type 14; solute carrier family 2 (facilitated glucose transporter), member 14; solute carrier family 2 (facilitated glucose transporter), member 3 pseudogene 3
Gene ID	144195
mRNA Refseq	NM_001286233.1
Protein Refseq	NP_001273162.1

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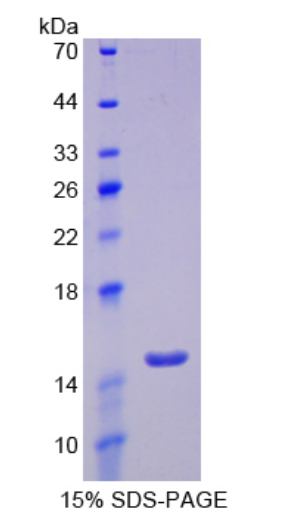
UniProt ID	Q8TDB8
SDS-PAGE	 15% SDS-PAGE

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