

Recombinant Human SLC2A2 protein, His & GST-tagged

Cat. No. SLC2A2-1781H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC2A2 aa. (Cys239~Pro303) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Cys239~Pro303
Description	This gene encodes an integral plasma membrane glycoprotein of the liver, islet beta cells, intestine, and kidney epithelium. The encoded protein mediates facilitated bidirectional glucose transport. Because of its low affinity for glucose, it has been suggested as a glucose sensor. Mutations in this gene are associated with susceptibility to diseases, including Fanconi-Bickel syndrome and noninsulin-dependent diabetes mellitus (NIDDM). Alternative splicing results in multiple transcript variants of this gene.
Form	Freeze-dried powder
Molecular Mass	40kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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.
Concentration	200µg/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Isoelectric Point	8.1

GENE INFORMATION

Gene Name	SLC2A2 solute carrier family 2 member 2 [Homo sapiens (human)]
Official Symbol	SLC2A2
Synonyms	SLC2A2; solute carrier family 2 member 2; GLUT2; solute carrier family 2, facilitated glucose transporter member 2; glucose transporter type 2, liver; solute carrier family 2 (facilitated glucose transporter), member 2
Gene ID	6514

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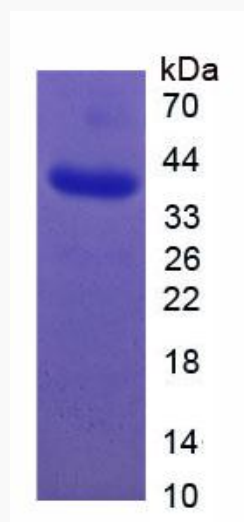
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mRNA Refseq [NM_000340.1](#)

Protein Refseq [NP_000331.1](#)

UniProt ID [P11168](#)

SDS-PAGE



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