

Recombinant Human SLC2A1 protein, His & SUMO-tagged

Cat. No. SLC2A1-1753H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC2A1 aa. (Phe409~Asp489) fused with N-terminal His & SUMO tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe409~Asp489
Description	This gene encodes a major glucose transporter in the mammalian blood-brain barrier. The encoded protein is found primarily in the cell membrane and on the cell surface, where it can also function as a receptor for human T-cell leukemia virus (HTLV) I and II. Mutations in this gene have been found in a family with paroxysmal exertion-induced dyskinesia.
Form	Freeze-dried powder
Molecular Mass	20kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Reporter Assays; Purification; Amine Reactive Labeling.

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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	4.8

GENE INFORMATION

Gene Name	SLC2A1 solute carrier family 2 member 1 [Homo sapiens (human)]
Official Symbol	SLC2A1
Synonyms	SLC2A1; solute carrier family 2 member 1; CSE; PED; DYT9; GLUT; DYT17; DYT18; EIG12; GLUT1; HTLV-1; GLUT-1; SDCHCN; GLUT1DS; solute carrier family 2, facilitated glucose transporter member 1; choreoathetosis/spasticity, episodic (paroxysmal choreoathetosis/spasticity); glucose transporter type 1, erythrocyte/brain; hepG2 glucose transporter; human T-cell leukemia virus (I and II) receptor; receptor for HTLV-1 and HTLV-2; solute carrier family 2 (facilitated glucose transporter), member 1

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Gene ID	6513
mRNA Refseq	NM_006516.2
Protein Refseq	NP_006507.2
UniProt ID	P11166
SDS-PAGE	