

Recombinant Human SLC2A1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. SLC2A1-059H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SLC2A1 MS Standard C13 and N15-labeled recombinant protein (NP_006507) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	53.9 kDa
AA Sequence	MEPSSKKLTGRLMLAVGGAVLGSLQFGYNTGVINAPQKVIEEFYNQTWVHRYGESIL PTTLTTLWSLSVAIFSVGGMIGSFSVGLFVNRFGRNSMLMMNLLAFVSAVLMGFSK LGKSFEMILIGRFIIGVYCGLTTGFVPMYVGEVSPTALRGALGTLHLQLGIVVGILIAQV FGLDSIMGNKDLWPLLLSIIFIPALLQCIVLPFCPESPRFLLINRNEENRAKSVLKKLRG TADVTHDLQEMKEESRQMMREKKVTILELFRSPAYRQPILIAVVLQLSQQLSGINAVF YYSTSIFEKAGVQQPVYATIGSGIVNTAFTVVSLFVVERAGRRTLHLIGLAGMAGCAIL MTIALALLEQLPWMSYLSIVAIFGFVAFFEVGPGPIWFIVAELFSQGPRPAAIAVAGF SNWTSNFIVGMCFQYVEQLCGPYVFIIFTVLLVLFFIFTYFKVPETKGRTFDEIASGFR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

QGGASQSDKTPEELFHPLGADSQVTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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; DYT9; DYT17; DYT18; EIG12; GLUT; GLUT-1; GLUT1; GLUT1DS; HTLVR; PED; SDCHCN; 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

Gene ID [6513](#)

mRNA Refseq [NM_006516](#)

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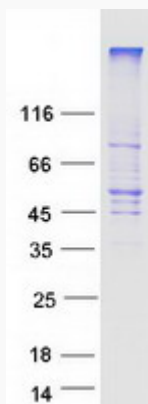
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_006507

MIM 138140

UniProt ID P11166

SDS-PAGE



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