Recombinant Mouse Slc2a1 Protein, Myc/DDK-tagged

Cat. No. Slc2a1-5919M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length solute carrier family 2 (facilitated glucose transporter), member 1 (Slc2a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Facilitative glucose transporter, which is responsible for constitutive or basal glucose uptake. Has a very broad substrate specificity; can transport a wide range of aldoses including both pentoses and hexoses. Most important energy carrier of the brain: present at the blood-brain barrier and assures the energy-independent, facilitative transport of glucose into the brain. In association with BSG and NXNL1, promotes retinal cone survival by increasing glucose uptake into photoreceptors.
Molecular Mass	54 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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

Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Slc2a1 solute carrier family 2 (facilitated glucose transporter), member 1 [Mus musculus (house mouse)]
Official Symbol	Slc2a1
Synonyms	SLC2A1; solute carrier family 2 (facilitated glucose transporter), member 1; solute carrier family 2, facilitated glucose transporter member 1; GT1; solute carrier family 2, member 1; glucose transporter type 1, erythrocyte/brain; Glut1; Glut-1
Gene ID	20525
mRNA Refseq	NM_011400
Protein Refseq	NP_035530
UniProt ID	P17809

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