

## Recombinant Mouse Slc2a1 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	54 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**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

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