

Recombinant Mouse Slc2a4 Protein, His&GST-tagged

Cat. No. Slc2a4-2695M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Slc2a4 Protein (Arg228-Val292) with a N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Arg228-Val292
Description	Enables glucose transmembrane transporter activity. Involved in cellular response to insulin stimulus. Acts upstream of or within several processes, including amylopectin biosynthetic process; brown fat cell differentiation; and glucose import in response to insulin stimulus. Located in several cellular components, including cytoplasmic vesicle; extracellular exosome; and sarcolemma. Is integral component of plasma membrane. Is expressed in several structures, including adipose tissue; adrenal gland; alimentary system; brain; and genitourinary system. Used to study type 2 diabetes mellitus. Human ortholog(s) of this gene implicated in type 2 diabetes mellitus. Orthologous to human SLC2A4 (solute carrier family 2 member 4).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 37.6 kDa Accurate Molecular Mass: 41 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

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Purity	> 90%
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 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.

GENE INFORMATION

Gene Name	Slc2a4 solute carrier family 2 (facilitated glucose transporter), member 4 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Slc2a4
Synonyms	Slc2a4; solute carrier family 2 (facilitated glucose transporter), member 4; GT2; twgy; Glut4; Glut-4; solute carrier family 2, facilitated glucose transporter member 4 glucose transporter type 4, insulin-responsive
Gene ID	20528

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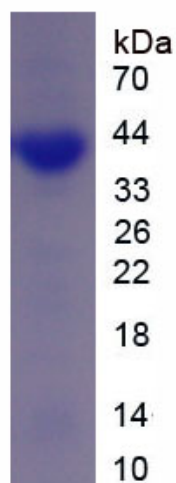
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mRNA Refseq [NM_009204](#)

Protein Refseq [NP_033230](#)

UniProt ID [P14142](#)



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