

Recombinant Human SLC2A4 Protein (Cys223-Leu287), SUMO tagged

Cat. No. SLC2A4-2657H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human GLUT4 (Cys223-Leu287) protein fused with SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Cys223-Leu287
Description	GLUT4 content and its activation as well as SLC2A4 gene expression level are decreased in patients with type 2 diabetes. GLUT4 -coded by SLC2A4 (17p13) is an insulin-sensitive transporter with a critical role in glucose homeostasis and diabetes pathogenesis, preferentially expressed in the adipose tissue, heart muscle and skeletal muscle. We tested the hypothesis that natural selection acted on SLC2A4.
Molecular Mass	22.48 kDa
Purity	>90 % as determined by SDS-PAGE.
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.

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Storage Buffer	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	SLC2A4 solute carrier family 2 (facilitated glucose transporter), member 4 [Homo sapiens (human)]
Official Symbol	SLC2A4
Synonyms	SLC2A4; solute carrier family 2 (facilitated glucose transporter), member 4; GLUT4; solute carrier family 2, facilitated glucose transporter member 4; GLUT-4; insulin-responsive glucose transporter type 4; glucose transporter type 4, insulin-responsive;
Gene ID	6517
mRNA Refseq	NM_001042
Protein Refseq	NP_001033
MIM	138190
UniProt ID	P14672

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