

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant human GLUT4 (Cys223-Leu287) protein fused with SUMO tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Cys223-Leu287
<b>Description</b>	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.
<b>Molecular Mass</b>	22.48 kDa
<b>Purity</b>	>90 % as determined by SDS-PAGE.
<b>Notes</b>	For research use only.
<b>Storage</b>	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.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Storage Buffer</b>	Supplied as solution form in PBS pH 7.5 or lyophilized from PBS pH 7.5.
<b>Reconstitution</b>	Reconstitute in sterile water for a stock solution.
<b>Shipping</b>	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

<b>Gene Name</b>	SLC2A4 solute carrier family 2 (facilitated glucose transporter), member 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	SLC2A4
<b>Synonyms</b>	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;
<b>Gene ID</b>	6517
<b>mRNA Refseq</b>	NM_001042
<b>Protein Refseq</b>	NP_001033
<b>MIM</b>	138190
<b>UniProt ID</b>	P14672

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