

Recombinant Human SLC16A1 Protein, His&SUMO-tagged

Cat. No. SLC16A1-1231H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC16A1 Protein (Asn444-Val500) with His&SUMO tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Asn444-Val500
Description	The protein encoded by this gene is a proton-linked monocarboxylate transporter that catalyzes the movement of many monocarboxylates, such as lactate and pyruvate, across the plasma membrane. Mutations in this gene are associated with erythrocyte lactate transporter defect. Alternatively spliced transcript variants have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 20 kDa; Accurate Molecular Mass: 20 kDa
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

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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

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

SLC16A1 solute carrier family 16, member 1 (monocarboxylic acid transporter 1) [Homo sapiens (human)]

Official Symbol

SLC16A1

Synonyms

SLC16A1; solute carrier family 16, member 1 (monocarboxylic acid transporter 1); solute carrier family 16 (monocarboxylic acid transporters), member 1; monocarboxylate transporter 1; MCT; MCT1; MCT 1; solute carrier family 16 member 1; HHF7; FLJ36745; MGC44475;

Gene ID

6566

mRNA Refseq

NM_001166496

Protein Refseq

NP_001159968

MIM

600682

UniProt ID

P53985

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