

Recombinant Human SLC5A1 Protein, His-tagged

Cat. No. SLC5A1-2699H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC5A1 Protein (Leu527-Ala664) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu527-Ala664
Description	This gene encodes a member of the sodium-dependent glucose transporter (SGLT) family. The encoded integral membrane protein is the primary mediator of dietary glucose and galactose uptake from the intestinal lumen. Mutations in this gene have been associated with glucose-galactose malabsorption. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 19.7 kDa Accurate Molecular Mass: 20 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 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	SLC5A1 solute carrier family 5 member 1 [Homo sapiens (human)]
Official Symbol	SLC5A1
Synonyms	SLC5A1; solute carrier family 5 member 1; NAGT; SGLT1; D22S675; sodium/glucose cotransporter 1 Na ⁺ /glucose cotransporter 1 high affinity sodium-glucose cotransporter solute carrier family 5 (sodium/glucose cotransporter), member 1
Gene ID	6523
mRNA Refseq	NM_000343
Protein Refseq	NP_000334

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MIM	182380
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UniProt ID	P13866
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