

Recombinant Human SLC5A2

Cat. No. SLC5A2-30972TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human SGLT2 with a N terminal proprietary tag: predicted molecular weight 31.13 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	50 amino acids
Description	This gene encodes a member of the sodium glucose cotransporter family which are sodium-dependent glucose transport proteins. The encoded protein is the major cotransporter involved in glucose reabsorption in the kidney. Mutations in this gene are associated with renal glucosuria.
Molecular Weight	31.130kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

GLFDKYLGAATSLTVSEDPVAVGNISFCYRPRPDSYHLLRHPVTGDLPPW

Sequence Similarities

Belongs to the sodium:solute symporter (SSF) (TC 2.A.21) family.

GENE INFORMATION

Gene Name

SLC5A2 solute carrier family 5 (sodium/glucose cotransporter), member 2 [Homo sapiens]

Official Symbol

SLC5A2

Synonyms

SLC5A2; solute carrier family 5 (sodium/glucose cotransporter), member 2; SGLT2; sodium/glucose cotransporter 2;

Gene ID

6524

mRNA Refseq

NM_003041

Protein Refseq

NP_003032

MIM

182381

Uniprot ID

P31639

Chromosome Location

16p12-p11

Pathway

Na⁺-dependent glucose transporters, organism-specific biosystem; SLC-mediated transmembrane transport, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Transport of glucose and other sugars,

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bile salts and organic acids, metal ions and amine compounds, organism-specific biosystem;

Function

low-affinity glucose:sodium symporter activity; symporter activity; transporter activity;

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