

Recombinant Human SLC2A2

Cat. No. SLC2A2-28420TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 32-98 of Human Glucose Transporter GLUT2 with proprietary tag; Predicted MWt 33 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	67 amino acids
Description	Glucose transporter 2 isoform is an integral plasma membrane glycoprotein of the liver, islet beta cells, intestine, and kidney epithelium. It mediates facilitated bidirectional glucose transport. Because of its low affinity for glucose, it has been suggested as a glucose sensor.
Molecular Weight	33.000kDa inclusive of tags
Tissue specificity	Liver, insulin-producing beta cell, small intestine and kidney.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids NAPQQVIISHYRHVLGVPLDDRKAINNYVINSTDELPTISYSMNPKPTPWAEETVAA
AQLITMLWS

Sequence Similarities Belongs to the major facilitator superfamily. Sugar transporter (TC 2.A.1.1) family.
Glucose transporter subfamily.

GENE INFORMATION

Gene Name SLC2A2 solute carrier family 2 (facilitated glucose transporter), member 2 [Homo sapiens]

Official Symbol SLC2A2

Synonyms SLC2A2; solute carrier family 2 (facilitated glucose transporter), member 2; GLUT2;
solute carrier family 2, facilitated glucose transporter member 2;

Gene ID 6514

mRNA Refseq NM_000340

Protein Refseq NP_000331

MIM 138160

Uniprot ID P11168

Chromosome Location 3q26.2-q27

Pathway Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate

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digestion and absorption, conserved biosystem; Developmental Biology, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Facilitative Na⁺-independent glucose transporters, organism-specific biosystem;

Function

D-glucose transmembrane transporter activity; dehydroascorbic acid transporter activity; glucose transmembrane transporter activity; hexose transmembrane transporter activity; insulin receptor binding;

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