

Recombinant Full Length Human SLC5A1 Protein, GST-tagged

Cat. No. SLC5A1-480HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SLC5A1(1 a.a. - 664 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	664 amino acids
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.
Molecular Mass	99.99 kDa
AA Sequence	MDSSTWSPKT TAVTRPVETH ELIRNAADIS IIVIYFVVVM AVGLWAMFST NRGTVGGFFL AGRSMVWWPI GASLFASNIG SGHFVGLAGT GAASGIAIGG FEWNALVLVV VLGWLFVPIY IKAGVVTMPE YLRKRFGGQR IQVYLSLLSL LLYIFTKISA DIFSGAIFIN LALGLNLYLA IFLLLAITAL YTITGGAAV IYTDTLQTVI MLVGSLILTG FAFHEVGGYD AFMEKYMKAI PTIVSDGNTT FQEKCYTPRA DSFHIFRDPL TGDLPWPGFI FGMSILTLWY WCTDQVIVQR CLSAKNMSHV KGGCILCGYL KLMPMFIMVM PGMISRILYT EKIACVVPSE CEKYCGTKVG CTNIAYPTLV VELMPNGLRG LMLSVMLASL MSSLT SIFNS ASTLFTMDIY

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AKVRKRASEK ELMIAGRLEFI LVLIGISIAW VPIVQSAQSG QLFDYIQSIT
 SYLGPPIAAV FLLAIFWKRV NEPGAFWGLI LGLLIGISRM ITEFAYGTGS
 CMEPSNCPTI ICGVHYLYFA IILFAISFIT IVVISLLTKP IPDVHLYRLC WSLRNSKEER
 IDLDAEEENI QEGPKETIEI ETQVPEKKKG IFRRAYDLFC GLEQHGAPKM
 TEEEEKAMKM KMTDTSEKPL WRTVLNVNGI ILVTVAVFCH AYFA

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name SLC5A1 solute carrier family 5 (sodium/glucose cotransporter), member 1 [Homo sapiens (human)]

Official Symbol SLC5A1

Synonyms SLC5A1; solute carrier family 5 (sodium/glucose cotransporter), member 1; SGLT1; sodium/glucose cotransporter 1; D22S675; NAGT; Na⁺/glucose cotransporter 1; high affinity sodium-glucose cotransporter

Gene ID 6523

mRNA Refseq NM_000343

Protein Refseq NP_000334

MIM 182380

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UniProt ID

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