

Recombinant Human SLC5A1 293 Cell Lysate

Cat. No. SLC5A1-1710HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 5 (sodium/glucose cotransporter), member 1 (SLC5A1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SLC5A1 solute carrier family 5 (sodium/glucose cotransporter), member 1 [Homo sapiens]
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
UniProt ID	P13866
Chromosome Location	22q12.3
Pathway	Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem; Hexose transport, organism-specific

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biosystem; Metabolism, organism-specific biosystem; Metabolism of carbohydrates, organism-specific biosystem;

Function

glucose:sodium symporter activity; protein binding; symporter activity; transporter activity;

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