Recombinant Human SLC5A2 293 Cell Lysate

Cat. No. SLC5A2-1709HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 5 (sodium/glucose cotransporter), member 2 (SLC5A2) 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.
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

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	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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; Na(+)/glucose cotransporter 2; solute carrier family 5 member 2; low affinity sodium-glucose cotransporter; solute carrier family 5 (sodium/glucose transporter), member 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, bile salts and organic acids, metal ions and amine compounds, organism-specific

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

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