

Recombinant Human SLC5A6 293 Cell Lysate

Cat. No. SLC5A6-1708HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 5 (sodium-dependent vitamin transporter), member 6 (SLC5A6), transcript variant 1 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.

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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

SLC5A6 solute carrier family 5 (sodium-dependent vitamin transporter), member 6 [*Homo sapiens*]

Official Symbol

SLC5A6

Synonyms

SLC5A6; solute carrier family 5 (sodium-dependent vitamin transporter), member 6; sodium-dependent multivitamin transporter; SMVT; solute carrier family 5 member 6; Na⁺-dependent multivitamin transporter; Na(+)-dependent multivitamin transporter;

Gene ID

8884

mRNA Refseq

NM_021095

Protein Refseq

NP_066918

MIM

604024

UniProt ID

Q9Y289

Chromosome Location

2p23

Pathway

Biotin metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Metabolism of water-soluble vitamins and cofactors, organism-specific biosystem;

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SLC-mediated transmembrane transport, organism-specific biosystem;
Transmembrane transport of small molecules, organism-specific biosystem; Transport
of vitamins, nucleosides, and related molecules, organism-specific biosystem;

Function

sodium-dependent multivitamin transmembrane transporter activity; symporter
activity; transporter activity;

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