

Recombinant Human SLC28A2 293 Cell Lysate

Cat. No. SLC28A2-1745HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 28 (sodium-coupled nucleoside transporter), member 2 (SLC28A2) 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

SLC28A2 solute carrier family 28 (sodium-coupled nucleoside transporter), member 2 [Homo sapiens]

Official Symbol

SLC28A2

Synonyms

SLC28A2; solute carrier family 28 (sodium-coupled nucleoside transporter), member 2; sodium/nucleoside cotransporter 2; CNT2; HCNT2; HsT17153; SPNT1; SPNT; CNT 2; Na(+)/nucleoside cotransporter 2; solute carrier family 28 member 2; concentrative nucleoside transporter 2; sodium-coupled nucleoside transporter 2; sodium/purine nucleoside co-transporter; FLJ21468; MGC138252;

Gene ID

9153

mRNA Refseq

NM_004212

Protein Refseq

NP_004203

MIM

606208

UniProt ID

O43868

Chromosome Location

15q15

Pathway

SLC-mediated transmembrane transport, organism-specific biosystem;

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Transmembrane transport of small molecules, organism-specific biosystem; Transport of nucleosides and free purine and pyrimidine bases across the plasma membrane, organism-specific biosystem; Transport of vitamins, nucleosides, and related molecules, organism-specific biosystem;

Function

nucleoside binding; nucleoside:sodium symporter activity; purine nucleoside transmembrane transporter activity;

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