Recombinant Human SLC28A3 293 Cell Lysate

Cat. No. SLC28A3-1744HCL **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 3 (SLC28A3) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC210847, OriGene Technologies, Inc.) 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	SLC28A3 solute carrier family 28 (sodium-coupled nucleoside transporter), member 3 [Homo sapiens]
Official Symbol	SLC28A3
Synonyms	CNT3
Gene ID	64078
mRNA Refseq	NM_022127.2
Protein Refseq	NP_071410.1
MIM	608269
UniProt ID	Q9HAS3
Chromosome Location	9q22.2
Pathway	SLC-mediated transmembrane transport, organism-specific biosystem;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;

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Function	nucleoside binding;purine-specific nucleoside:sodium symporter activity;pyrimidine- and adenine-specific:sodium symporter activity;

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