Recombinant Human SLC29A1 293 Cell Lysate

Cat. No. SLC29A1-1743HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 29 (nucleoside transporters), member 1 (SLC29A1), nuclear gene encoding mitochondrial protein, 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	SLC29A1 solute carrier family 29 (nucleoside transporters), member 1 [Homo sapiens]
Official Symbol	SLC29A1
Synonyms	SLC29A1; solute carrier family 29 (nucleoside transporters), member 1; ENT1; equilibrative nucleoside transporter 1; nucleoside transporter, es-type; solute carrier family 29 member 1; solute carrier family 29, member 1; equilibrative NBMPR-sensitive nucleoside transporter; equilibrative nitrobenzylmercaptopurine riboside-sensitive nucleoside transporter; equilibrative nitrobenzylmercaptopurine riboside (NBMPR)-sensitive nucleoside transporter; MGC1465; MGC3778;
Gene ID	2030
mRNA Refseq	NM_001078174
Protein Refseq	NP_001071642
MIM	602193
UniProt ID	Q99808
Chromosome Location	6p21.1

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Pathway	Fluoropyrimidine Activity, organism-specific biosystem; 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;
Function	nucleoside transmembrane transporter activity;

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