Recombinant Human SLC29A2 293 Cell Lysate

Cat. No. SLC29A2-1742HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 29 (nucleoside transporters), member 2 (SLC29A2) 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.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	SLC29A2 solute carrier family 29 (nucleoside transporters), member 2 [Homo sapiens]
Official Symbol	SLC29A2
Synonyms	ENT2; DER12; HNP36
Gene ID	3177
mRNA Refseq	NM_001532.2
Protein Refseq	NP_001523.2
MIM	602110
UniProt ID	Q14542
Chromosome Location	11q13
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 transmembrane transporter activity;

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