Recombinant Human SLC7A4 293 Cell Lysate

Cat. No. SLC7A4-1697HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 7 (cationic amino acid transporter, y+ system), member 4 (SLC7A4) 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	SLC7A4 solute carrier family 7 (orphan transporter), member 4 [Homo sapiens]
Official Symbol	SLC7A4
Synonyms	SLC7A4; solute carrier family 7 (orphan transporter), member 4; solute carrier family 7 (cationic amino acid transporter, y+ system), member 4; cationic amino acid transporter 4; CAT 4; HCAT3; VH; VH 3 family; Ig heavy chain variable region; solute carrier family 7 member 4; CAT4; CAT-4; MGC129976; MGC129977;
Gene ID	6545
mRNA Refseq	NM_004173
Protein Refseq	NP_004164
MIM	603752
UniProt ID	O43246
Chromosome Location	22q11.21
Function	basic amino acid transmembrane transporter activity;

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