Recombinant Human SLC7A10 293 Cell Lysate

Cat. No. SLC7A10-1699HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 7, (neutral amino acid transporter, y+ system) member 10 (SLC7A10) 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	SLC7A10 solute carrier family 7 (neutral amino acid transporter light chain, asc system), member 10 [Homo sapiens]
Official Symbol	SLC7A10
Synonyms	asc-1; HASC-1
Gene ID	56301
mRNA Refseq	NM_019849.2
Protein Refseq	NP_062823.1
MIM	607959
UniProt ID	Q9NS82
Chromosome Location	19q13.1
Pathway	Amino acid transport across the plasma membrane, organism-specific biosystem;Basigin interactions, organism-specific biosystem;Cell surface interactions at the vascular wall, organism-specific biosystem;Hemostasis, organism-specific biosystem;SLC-mediated transmembrane transport, organism-specific biosystem;Transmembrane transport of small molecules, organism-specific

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	biosystem;Transport of inorganic cations/anions and amino acids/oligopeptides, organism-specific biosystem;
Function	L-serine transmembrane transporter activity;neutral amino acid transmembrane transporter activity;

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