Recombinant Human SLC7A5 Over-expression cell lysate

Cat. No. SLC7A5-4893HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SLC7A5 Over-expression cell lysate was derived from Human HEK293T cell line.
Species	Human
Source	HEK293
Description	SLC7A5 played an important role in many functions.
Form	The cell lysate is provided in RIPA buffer(25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4).
Molecular Mass	54.8 kDa
Usage	1 vial of 100 ug gene specific transient over-expression cell lysate in RIPA buffer 1 vial of 100 ug empty vector transfected control cell lysate in RIPA buffer 1 vial of 250ul 2xSDS Sample Buffer (4% SDS, 125mM Tris-HCl pH6.8, 10% Glycerol, 0.002% Bromphenol blue, 100mM DTT)
Storage	The lysate is shipped with dry ice. Upon receiving, store the sample at -20 centigrade. Lysate samples are stable for 12 months from date of receipt when stored at -20 centigrade. Avoid repeated freeze-thaw cycles. Lysate samples can be diluted with 2xSDS Sample Buffer provided. After dilution, the protein sample should be aliquoted and stored at -20 centigrade for long term

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	storage. Prior to SDS-PAGE fractionation, boil the lysate for 5 minutes.

GENE INFORMATION

Gene Name	SLC7A5 solute carrier family 7 (amino acid transporter light chain, L system), member 5 [Homo sapiens]
Official Symbol	SLC7A5
Synonyms	SLC7A5; solute carrier family 7 (amino acid transporter light chain, L system), member 5; large neutral amino acids transporter small subunit 1; CD98; D16S469E; E16; LAT1; MPE16; 4F2 LC; 4F2 light chain; CD98 light chain; integral membrane protein E16; L-type amino acid transporter 1; solute carrier family 7 member 5; large neutral amino acids transporter 1; y+ system cationic amino acid transporter; sodium-independent neutral amino acid transporter LAT1; solute carrier family 7 (cationic amino acid transporter, y+ system), member 5; 4F2LC; hLAT1;
Gene ID	8140
mRNA Refseq	NM_003486
Protein Refseq	NP_003477
MIM	600182
UniProt ID	Q01650
Chromosome Location	16q24.3
Pathway	Amino acid transport across the plasma membrane, organism-specific biosystem;

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

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