

Recombinant Human SLC7A7 cell lysate

Cat. No. SLC7A7-1639HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene is the light subunit of a cationic amino acid transporter. This sodium-independent transporter is formed when the light subunit encoded by this gene dimerizes with the heavy subunit transporter protein SLC3A2. This transporter is found in epithelial cell membranes where it transfers cationic and large neutral amino acids from the cell to the extracellular space. Defects in this gene are a cause of lysinuric protein intolerance (LPI). Several transcript variants encoding the same protein have been found for this gene.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SLC7A7 solute carrier family 7 (amino acid transporter light chain, y ⁺ L system), member 7 [Homo sapiens]
Official Symbol	SLC7A7

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Synonyms	SLC7A7; solute carrier family 7 (amino acid transporter light chain, y+L system), member 7; LPI; Y+L amino acid transporter 1; y+LAT 1; monocyte amino acid permease 2; y(+)-L-type amino acid transporter 1; solute carrier family 7 (cationic amino acid transporter, y+ system), member 7; LAT3; MOP-2; Y+LAT1; y+LAT-1;
Gene ID	9056
mRNA Refseq	NM_001126105
Protein Refseq	NP_001119577
MIM	603593
UniProt ID	Q9UM01
Chromosome Location	14q11.2
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; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem; SLC-mediated transmembrane transport, organism-specific biosystem;
Function	amino acid transmembrane transporter activity;