

Recombinant Human SLC3A1 293 Cell Lysate

Cat. No. SLC3A1-1715HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1 (SLC3A1) 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 SLC3A1 solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1 [Homo sapiens]

Official Symbol SLC3A1

Synonyms SLC3A1; solute carrier family 3 (cystine, dibasic and neutral amino acid transporters, activator of cystine, dibasic and neutral amino acid transport), member 1; neutral and basic amino acid transport protein rBAT; ATR1; CSNU1; D2H; NBAT; RBAT; SLC3A1 variant B; SLC3A1 variant C; SLC3A1 variant D; SLC3A1 variant E; SLC3A1 variant F; SLC3A1 variant G; amino acid transporter 1; B(0,+)-type amino acid transport protein; solute carrier family 3 (cystine, dibasic and neutral amino acid transporters), member 1; FLJ34681;

Gene ID 6519

mRNA Refseq NM_000341

Protein Refseq NP_000332

MIM 104614

UniProt ID Q07837

Chromosome 2p16.3

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Location	
Pathway	Amino acid transport across the plasma membrane, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved 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-cystine transmembrane transporter activity; amino acid transmembrane transporter activity; basic amino acid transmembrane transporter activity; catalytic activity; cation binding; protein heterodimerization activity;

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