

Recombinant Human SLC36A1 293 Cell Lysate

Cat. No. SLC36A1-1728HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for solute carrier family 36 (proton/amino acid symporter), member 1 (SLC36A1) 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

SLC36A1 solute carrier family 36 (proton/amino acid symporter), member 1 [Homo sapiens]

Official Symbol

SLC36A1

Synonyms

SLC36A1; solute carrier family 36 (proton/amino acid symporter), member 1; proton-coupled amino acid transporter 1; LYAAT 1; PAT1; TRAMD3; hPAT1; proton/amino acid transporter 1; solute carrier family 36 member 1; lysosomal amino acid transporter 1; Dct1; LYAAT1;

Gene ID

206358

mRNA Refseq

NM_078483

Protein Refseq

NP_510968

MIM

606561

UniProt ID

Q7Z2H8

Chromosome Location

5q33.1

Pathway

Amino acid transport across the plasma membrane, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and

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absorption, conserved biosystem; Proton-coupled neutral amino acid transporters, 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	symporter activity;
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