

Recombinant Human CSAD 293 Cell Lysate

Cat. No. CSAD-7252HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cysteine sulfinic acid decarboxylase (CSAD) 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

CSAD cysteine sulfinic acid decarboxylase [Homo sapiens]

Official Symbol

CSAD

Synonyms

CSAD; cysteine sulfinic acid decarboxylase; CSD; P selectin cytoplasmic tail associated protein; PCAP; sulfinoalanine decarboxylase; cysteine-sulfinic acid decarboxylase; P-selectin cytoplasmic tail-associated protein; cysteine sulfinic acid decarboxylase-related protein; FLJ44987; FLJ45500; MGC119354; MGC119355; MGC119357;

Gene ID

51380

mRNA Refseq

NM_001244705

Protein Refseq

NP_001231634

UniProt ID

Q9Y600

Chromosome Location

12q13.11-q14.3

Pathway

Degradation of cysteine and homocysteine, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Sulfur amino acid metabolism, organism-specific biosystem; Taurine and hypotaurine

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metabolism, organism-specific biosystem; Taurine and hypotaurine metabolism, conserved biosystem;

Function

carboxy-lyase activity; lyase activity; pyridoxal phosphate binding; sulfinoalanine decarboxylase activity;

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