

Recombinant Human DCP1A 293 Cell Lysate

Cat. No. DCP1A-7048HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for DCP1 decapping enzyme homolog A (*S. cerevisiae*) (DCP1A) 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

DCP1A DCP1 decapping enzyme homolog A (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

DCP1A

Synonyms

DCP1A; DCP1 decapping enzyme homolog A (*S. cerevisiae*); mRNA-decapping enzyme 1A; HSA275986; SMAD4IP1; SMIF; decapping enzyme hDcp1a; transcription factor SMIF; putative protein product of Nbla00360; Smad4-interacting transcriptional co-activator; Nbla00360; FLJ21691;

Gene ID

55802

mRNA Refseq

NM_018403

Protein Refseq

NP_060873

MIM

607010

UniProt ID

Q9NPI6

Chromosome Location

3p21.1

Pathway

Deadenylation-dependent mRNA decay, organism-specific biosystem; Decapping complex, organism-specific biosystem; Decapping complex, conserved biosystem; Destabilization of mRNA by Butyrate Response Factor 1 (BRF1), organism-specific

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biosystem; Destabilization of mRNA by Tristetraprolin (TTP), organism-specific biosystem; Gene Expression, organism-specific biosystem; RNA degradation, organism-specific biosystem;

Function

hydrolase activity; identical protein binding; protein binding;

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