

Recombinant Human DKC1 293 Cell Lysate

Cat. No. DKC1-6916HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for dyskeratosis congenita 1, dyskerin (DKC1), transcript variant 1 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

[DKC1 dyskeratosis congenita 1, dyskerin \[Homo sapiens \]](#)

Official Symbol

DKC1

Synonyms

DKC1; dyskeratosis congenita 1, dyskerin; DKC; H/ACA ribonucleoprotein complex subunit 4; dyskerin; NAP57; NOLA4; XAP101; CBF5 homolog; cbf5p homolog; snoRNP protein DKC1; nucleolar protein NAP57; nucleolar protein family A member 4; nopp140-associated protein of 57 kDa; CBF5; DKCX; FLJ97620;

Gene ID

[1736](#)

mRNA Refseq

[NM_001142463](#)

Protein Refseq

[NP_001135935](#)

MIM

[300126](#)

UniProt ID

[O60832](#)

Chromosome Location

Xq28

Pathway

Cell Cycle, organism-specific biosystem; Chromosome Maintenance, organism-specific biosystem; Extension of Telomeres, organism-specific biosystem; H/ACA ribonucleoprotein complex, organism-specific biosystem; Regulation of Telomerase,

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organism-specific biosystem; Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem;

Function

RNA binding; isomerase activity; protein binding; pseudouridine synthase activity; telomerase activity;

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