

Recombinant Human CDC6 293 Cell Lysate

Cat. No. CDC6-7647HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cell division cycle 6 homolog (<i>S. cerevisiae</i>) (CDC6) 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

CDC6 cell division cycle 6 homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

CDC6

Synonyms

CDC6; cell division cycle 6 homolog (*S. cerevisiae*); CDC6 (cell division cycle 6, *S. cerevisiae*) homolog , CDC6 cell division cycle 6 homolog (*S. cerevisiae*) , CDC18L; cell division control protein 6 homolog; p62(cdc6); CDC6-related protein; cdc18-related protein; CDC6 cell division cycle 6 homolog; CDC18L; HsCDC6; HsCDC18;

Gene ID

990

mRNA Refseq

NM_001254

Protein Refseq

NP_001245

MIM

602627

UniProt ID

Q99741

Chromosome Location

17q21.3

Pathway

Activation of ATR in response to replication stress, organism-specific biosystem; Activation of the pre-replicative complex, organism-specific biosystem; Assembly of the pre-replicative complex, organism-specific biosystem; Association of licensing

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factors with the pre-replicative complex, organism-specific biosystem; CDC6 association with the ORC:origin complex, organism-specific biosystem; CDK-mediated phosphorylation and removal of Cdc6, organism-specific biosystem; CDT1 association with the CDC6:ORC:origin complex, organism-specific biosystem;

Function

ATP binding; chromatin binding; kinase binding; nucleoside-triphosphatase activity; nucleotide binding; protein binding;

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