

Recombinant Human CDC45 293 Cell Lysate

Cat. No. CDC45-7649HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for CDC45 cell division cycle 45-like (*S. cerevisiae*) (CDC45L) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

CDC45 cell division cycle 45 homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

CDC45

Synonyms

CDC45; cell division cycle 45 homolog (*S. cerevisiae*); CDC45 (cell division cycle 45, *S. cerevisiae*, homolog) like , CDC45 cell division cycle 45 like (*S. cerevisiae*) , CDC45L, CDC45L2; cell division control protein 45 homolog; human CDC45; CDC45-related protein; cell division cycle 45-like 2; CDC45 cell division cycle 45 homolog; CDC45L; CDC45L2; PORC-PI-1;

Gene ID

8318

mRNA Refseq

NM_003504

Protein Refseq

NP_003495

MIM

603465

UniProt ID

O75419

**Chromosome
Location**

22q11.21

Pathway

Activation of ATR in response to replication stress, organism-specific biosystem;
Activation of the pre-replicative complex, organism-specific biosystem; Cell Cycle,

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organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem;
Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific
biosystem; Cell cycle, organism-specific biosystem;

Function

protein binding;

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