

Recombinant Human CDC14B cell lysate

Cat. No. CDC14B-318HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene is a member of the dual specificity protein tyrosine phosphatase family. This protein is highly similar to <i>Saccharomyces cerevisiae</i> Cdc14, a protein tyrosine phosphatase involved in the exit of cell mitosis and initiation of DNA replication, which suggests the role in cell cycle control. This protein has been shown to interact with and dephosphorylates tumor suppressor protein p53, and is thought to regulate the function of p53. Alternative splice of this gene results in 3 transcript variants encoding distinct isoforms.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	CDC14B CDC14 cell division cycle 14 homolog B (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	CDC14B
Synonyms	CDC14B; CDC14 cell division cycle 14 homolog B (<i>S. cerevisiae</i>); CDC14 (cell

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	division cycle 14, <i>S. cerevisiae</i>) homolog B; dual specificity protein phosphatase CDC14B; Cdc14B1; Cdc14B2; CDC14B3; hCDC14B;
Gene ID	8555
mRNA Refseq	NM_001077181
Protein Refseq	NP_001070649
MIM	603505
UniProt ID	O60729
Chromosome Location	9q22.3
Pathway	Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; PLK1 signaling events, organism-specific biosystem;
Function	hydrolase activity; protein serine/threonine phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;