

Recombinant Full Length Human CDC14B Protein, GST-tagged

Cat. No. CDC14B-3117HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDC14B full-length ORF (ENSP00000265659, 1 a.a. - 471 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	471 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	80.6 kDa
AA Sequence	MKRKSEERRSSWAAAPPCSRRCSSSTSPGVKKIRSSTQQDPRRRDPQDDVYLDITDR LCFAILYSRPKSASNVHYFSIDNELEYENFYADFGPLNLAMVYRYCCKINKKLKSITML RKKIVHFTGSDQRKQANAAFLVGCYMVIIYLGRTPEEAYRILIFGETSYIPFRDAAYGS CNFYITLLDCFHAVKKAMQYGFLNFSNLFNDEYEHYEKAENGDLNWIIPDRFIAFCGP HSRARLESGYHQHSPETYIQYFKNHNVTIIRLNKRMYDAKRFTDAGFDHDLFFAD GSTPTDAIVKEFLDICENAEGAIAVHCKAGLGRTGTIACYIMKHYRMTAAETIAWVRI

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CRPGSVIGPQQQFLVMKQTNLWLEGDYFRQKLKGQENGQHRAAFSKLLSGVDDISI
 NGVENQDQQEPEPYSDDEINGVTQGDRLRALKSRRQSKTNAIPLTDGWLSQAVTF
 LDRLLIWLGIIHKD

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

CDC14B CDC14 cell division cycle 14 homolog B (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

CDC14B

Synonyms

CDC14B; CDC14 cell division cycle 14 homolog B (*S. cerevisiae*); CDC14 (cell division cycle 14, *S. cerevisiae*) homolog B; dual specificity protein phosphatase CDC14B; Cdc14B1; Cdc14B2; CDC14B3; hCDC14B;

Gene ID

8555

mRNA Refseq

NM_001077181

Protein Refseq

NP_001070649

MIM

603505

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UniProt ID

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