

Recombinant Full Length Human CDC14A Protein, GST-tagged

Cat. No. CDC14A-3114HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDC14A full-length ORF (NP_003663.2, 1 a.a. - 594 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	594 amino acids
Description	The protein encoded by this gene is a member of the dual specificity protein tyrosine phosphatase family. It 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, suggesting a role in cell cycle control. This protein has been shown to interact with, and dephosphorylate tumor suppressor protein p53, and is thought to regulate the function of p53. Alternative splicing of this gene results in several transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]
Molecular Mass	90.97 kDa
AA Sequence	MAAESGELIGACEFMKDRLYFATLRNRPKSTVNTYHFSIDEELVYENFYADFGPLNL AMVYRYCCKLNKKLKSYSLSRKKIVHYTCFDQRKRANAAFLIGAYAVIYLKKTPEEAY RALLSGSNPPYLPFRDASFGNCTYNLTILDCLQGIRKGLQHGFFDFETFDVDEYEHY ERVENGDFNWIVPGKFLAFSGPHPKSKIENGYPPLHAPEAYFPYFKKHNVTA VVRLNK KIYEAKRFTDAGFEHYDLFFIDGSTPSDNIVRRFLNICENTEGAIAVHCKAGLGRTGTL IACYVMKHRYRFTAEIIAWIRICRPGSIIGPQQHFLEEKQASLWVQGDIFRSKLNKRP

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SEGSINKILSGLDDMSIGGNLSKTQNMERFGEDNLEDDDVEMKNGITQGDKLRALKS
 QRQPRTSPSCAFRSDDTKGHPRAVSQPFRLSSSLQGSVTLKTSKMALSPSATAKR
 INRTSLSSGATVRSFSINSRLASSLGNLNAATDDPENKKTSSSSKAGFTASPFNLLN
 GSSQPTRNYPELNNNQYNRSSNSNGGNLNSPPGPHSAKTEEHTTILRPSYTGSS
 SSARFLSRSIPSLQSEYVHY

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

CDC14A CDC14 cell division cycle 14 homolog A (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

CDC14A

Synonyms

CDC14A; CDC14 cell division cycle 14 homolog A (*S. cerevisiae*); CDC10 (cell division cycle 10, *S. cerevisiae*, homolog); dual specificity protein phosphatase CDC14A; cdc14; Cdc14A1; Cdc14A2; hCDC14;

Gene ID

8556

mRNA Refseq

NM_003672

Protein Refseq

NP_003663

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MIM	603504
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UniProt ID	Q9UNH5
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