

Recombinant Human CDC14A Protein, His&GST-tagged

Cat. No. CDC14A-713H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDC14A Protein (Met1-Lys199) with His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Lys199
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 53.1 kDa; Accurate Molecular Mass: 53 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 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

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	CDC14A CDC14 cell division cycle 14 homolog A (S. cerevisiae) [Homo sapiens (human)]
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
MIM	603504

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UniProt ID

Q9UNH5

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