

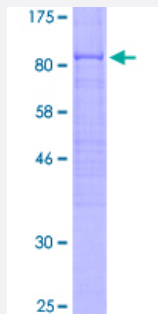
Full-Length

CDC14A (Human) Recombinant Protein (P02)

Catalog # H00008556-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CDC14A full-length ORF (NP_003663.2, 1 a.a. - 594 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAESGELIGACEFMKDRLYFATLRNRPKSTVNTHYFSIDEELVYENFYADFGPLNLAMVYRYCCK
LNKKLKSYSLSRKKIVHYTCFDQRKRANAFLIGAYAVIYLKKTPEEAYRALLSGSNPPYLPFRDAS
FGNCTYNLTILDCLQGIRKGLQHGFDFETFDVDEYEHYERVENGDFNWIVPGKFLAFSGPHPKSK
IENGYPHAEAYFPYFKKHNVTAVVRLNKKIYEAKRFTDAGFEHYDLFFIDGSTPSDNIVRRFLNIC
ENTEGAIAVHCKAGLGRTGLIACYVMKHRYFTHAEIIAWIRICRPGSIIGPQQHFLEEKQASLWVQG
DIFRSKLKNRPSSEGSINKILSGLDDMSIGGNLSKTQNMERFGEDNLEDDVEMKNGITQGDKLRA
LKSQRQPRTSPSCAFRSDDTKGHPRAVSQPFRLSSSLQGSATVLTSTKMSALSPSATAKRINRTSL
SSGATVRSFSINSRLASSLGNLNAATDDPENKKTSSSSKAGFTASPFTNLLNGSSQPTRNYPEL
NNNQYNRSSNSNGGNLNSPPGPHSAKTEEHTTILRPSYTGLSSSSSARFLSRSIPSLQSEVHY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

90.97

Interspecies Antigen Sequence

Mouse (87); Rat (87)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — CDC14A

Entrez GeneID	8556
GeneBank Accession#	NM_003672.2
Protein Accession#	NP_003663.2
Gene Name	CDC14A
Gene Alias	cdc14, hCDC14
Gene Description	CDC14 cell division cycle 14 homolog A (S. cerevisiae)
Omim ID	603504
Gene Ontology	Hyperlink

Gene Summary	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]
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Other Designations

CDC10 (cell division cycle 10, S. cerevisiae, homolog)|CDC14 homolog A|OTTHUMP00000012653|OTTHUMP00000012654|OTTHUMP00000012655|dual specificity protein phosphatase CDC14A

Pathway

- [Cell cycle](#)

Disease

- [Colorectal Neoplasms](#)
- [Microsatellite Instability](#)
- [Stomach Neoplasms](#)
- [Tobacco Use Disorder](#)