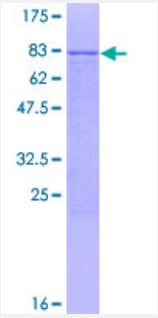
Full-Length

CDC14B (Human) Recombinant Protein (P01)

Catalog # H00008555-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDC14B full-length ORF (ENSP00000265659, 1 a.a. - 471 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MKRKSERRSSWAAAPPCSRRCSSTSPGVKKIRSSTQQDPRRRDPQDDVYLDITDRLCFAILYSR PKSASNVHYFSIDNELEYENFYADFGPLNLAMVYRYCCKINKKLKSITMLRKKIVHFTGSDQRKQAN AAFLVGCYMVIYLGRTPEEAYRILIFGETSYIPFRDAAYGSCNFYITLLDCFHAVKKAMQYGFLNFNS FNLDEYEHYEKAENGDLNWIIPDRFIAFCGPHSRARLESGYHQHSPETYIQYFKNHNVTTIIRLNKRM YDAKRFTDAGFDHHDLFFADGSTPTDAIVKEFLDICENAEGAIAVHCKAGLGRTGTLIACYIMKHYR MTAAETIAWVRICRPGSVIGPQQQFLVMKQTNLWLEGDYFRQKLKGQENGQHRAAFSKLLSGVD DISINGVENQDQQEPEPYSDDDEINGVTQGDRLRALKSRRQSKTNAIPLTDGWLSQAVTFLDRLLI WLGIHKD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	80.6
Interspecies Antigen Sequence	Mouse (85); Rat (89)
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.

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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 — CDC14B

Entrez GeneID	8555
GeneBank Accession#	ENST00000265659
Protein Accession#	ENSP00000265659
Gene Name	CDC14B
Gene Alias	CDC14B3, Cdc14B1, Cdc14B2, hCDC14B
Gene Description	CDC14 cell division cycle 14 homolog B (S. cerevisiae)
Omim ID	603505
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the dual specificity protein tyrosine phosphatase family. This protein is highly similar to Saccharomyces cerevisiae 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
Other Designations	CDC14 homolog B|OTTHUMP00000021729|OTTHUMP00000021730|OTTHUMP00000063774

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Pathway

- Cell cycle

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