

Recombinant Full Length Human CDC25B Protein, GST-tagged

Cat. No. CDC25B-3053HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDC25B full-length ORF (AAH06395, 43 a.a. - 580 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	580 amino acids
Description	CDC25B is a member of the CDC25 family of phosphatases. CDC25B activates the cyclin dependent kinase CDC2 by removing two phosphate groups and it is required for entry into mitosis. CDC25B shuttles between the nucleus and the cytoplasm due to nuclear localization and nuclear export signals. The protein is nuclear in the M and G1 phases of the cell cycle and moves to the cytoplasm during S and G2. CDC25B has oncogenic properties, although its role in tumor formation has not been determined. Multiple transcript variants for this gene exist. [provided by RefSeq, Jul 2008]
Molecular Mass	84.92 kDa
AA Sequence	PVRAAASSPVTTLTQTMHDLAAGLGSETPKSQVGTLLFRSRSLTHLSLSRRASESSL SSESSESSDAGLCMDSPSPMDPHMAEQTFEQAIQAASRIIRNEQFAIRRFQSM PVRL LGHSPVLRNITNSQAPDGRRKSEAGSGAASSSGEDKENDGFVFKMPWKPTHPSST HALAEWASRREAFAQRPSSAPDLMCLSPDRKMEVEELSPLALGRFSLTPAEGDTEE DDGFVDILESCLKDDDAVPPGMESLISAPLVKTLKEEEEKDLVMYSKQCQLFRSPSM

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PCSVIRPILKRLERPQDRDTPVQNKRRRSVTPPEEQQEAEPPKARVLRSKSLCHDEI
ENLLDSHDRELIGDYSKAFLLQTVDGKHQDLKYISPETMVALLTGKFSNIVDKFVIVDC
RYPYEYEGGHIKTAVNLPLERDAESFLLKSPIAPCSLDKRVILIFHCEFSSERGPRMC
RFIRERDRAVNDYPSLYYPEMYILKGGYKEFFPQHPNFCEPQDYRPMNHEAFKDEL
KTFRLKTRSWAGERSRRELCSRLQDQ

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 CDC25B cell division cycle 25 homolog B (S. pombe) [Homo sapiens]

Official Symbol CDC25B

Synonyms CDC25B; cell division cycle 25 homolog B (S. pombe); cell division cycle 25 homolog B (S. cerevisiae), cell division cycle 25B; M-phase inducer phosphatase 2; cell division cycle 25B; dual specificity phosphatase Cdc25B;

Gene ID 994

mRNA Refseq NM_004358

Protein Refseq NP_004349

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MIM	116949
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UniProt ID	P30305
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