

# Recombinant Full Length Human CDC25B Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human CDC25B full-length ORF (AAH06395, 43 a.a. - 580 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>Protein Length</b>	580 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	84.92 kDa
<b>AA Sequence</b>	PVRAAASSPVTTLTQTMHDLAAGLGSETPKSQVGTLLFRSRSLTHLSLSRRASESSL SSESSSESSDAGLCMDSPSPMDPHMAEQTFEQAIQAASRIIRNEQFAIRRFQSMPVRL LGHSPVLRNITNSQAPDGRKSEAGSGAASSSGEDKENDGFVFKMPWKPTHPSST HALAEWASRREAFQRPSSAPDLMCLSPDRKMEVEELSPLALGRFSLTPAEGDTEE DDGFVDILESDLKDDDAVPPGMESLISAPLVKTKLEKEEEKDLVMYSKCQRLFRSPSM

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PCSVIRPILKRLERPQDRDTPVQNKRRRSVTPPEEQQEAEPPKARVLRSKSLCHDEI  
 ENLLDSHDRELIGDYSKAFLLQTVDGKHQDLKYISPETMVALLTGKFSNIVDKFVIVDC  
 RYPYEYEGGHIKTAVNLPLERDAESFLLKSPIAPCSLDKRVILIFHCEFSSERGPRMC  
 RFIRERDRAVNDYPSLYPEMYILKGGYKEFFPQHPNFCEPQDYRPMNHEAFKDEL  
 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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<b>MIM</b>	116949
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<b>UniProt ID</b>	P30305
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