

## Product datasheet for **SC212989**

### CDC25B (NM\_021872) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** CDC25B (NM\_021872) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** CDC25B  
**ACCN:** NM\_021872  
**Insert Size:** 1184 bp  
**Insert Sequence:** >SC212989 3'UTR clone of NM\_021872

The sequence shown below is from the reference sequence of NM\_021872. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG  
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC  
GAGCTCTGTAGCCGGCTGCAGGACCAGTGAAGGGCCTGCGCCAGTCTGCTACCTCCCTTGCCTTTGCA  
GGCCTGAAGCCAGCTGCCCTATGGGCCTGCCGGGCTGAGGGCCTGCTGGAGGCCTCAGGTGCTGCCAT  
GGGAAAGATGGTGTGGGTGCCTGCCTGTCTGCCCCAGCCAGATTCCCTGTGTGCATCCCATCATTTT  
CCATATCCTGGTCCCCCACCCTGGAAGAGCCAGTCTGTTGAGTTAGTTAAGTTGGGTTAATACCA  
GCTTAAAGGCAGTATTTGTGCTCCTCCAGGAGCTTCTTGTTCCTTGTAGGGTTAACCTTCATCTTC  
CTGTGCTCCTGAAACGCTCCTTTGTGTGTGTGCAGCTGAGGCTGGGGGAGAGCCGTGGTCCCTGAGGAT  
GGGTGAGAGCTAAACTCCTTCCAGCCTGAGAGTCAAGTCTTACTCTTTTCTATTTTACCTGTGTG  
TGCCCTAATCTCTGTAGGAACCGTGGTATGTCTGCCATGTTGCCCTTTCTCTTTTCCCCTTTCTGT  
CCCACCATACGAGCACCTCCAGCCTGAACAGAAGCTTACTCTTTTCTATTTTACCTGTGTG  
CTTGGTCTGTTTGAATTTACGCCATCTCAGGACACTCCGTAGACTGTTTAGGTTCCCCTGTCAAATA  
TCAGTTACCCACTCGGTCCCAGTTTTGTTGCCCCAGAAAGGATGTTATTATCCTTGGGGGCTCCCAGG  
GCAAGGGTTAAGGCCTGAATCATGAGCCTGCTGGAAGCCAGCCCTACTGCTGTGAACCTGGGGCCT  
GACTGCTCAGAACTTGTGCTGTCTTGTGCGGATGGATGGAAGTTGGATGGATGGGTGGATGGCCGT  
GGATGGCCGTGGATGCGCAGTGCCTTGCAACCCAAACCAGGTGGGAGCGTTTTGTTGAGCATGACAGC  
CTGCAGCAGGAATATATGTGTGCCTATTTGTGTGGACAAAAATTTTACACTTAGGGTTTGGAGCTATT  
CAAGAGGAAATGTCACAGAAGCAGCTAAACCAAGGACTGAGCACCTCTGGATTCTGAATCTCAAGATG  
GGGGCAGGGCTGTGCTTGAAGGCCCTGCTGAGTCATCTGTTAGGGCCTTGGTTCAATAAAGCACTGAGC  
AAGTTGAGAAA  
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA  
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<u><a href="#">NM_021872.4</a></u>
<b>Summary:</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>Locus ID:</b>	994
<b>MW:</b>	43.2