

## Product datasheet for **SC109054**

### CDC25C (NM\_001790) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDC25C (NM_001790) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC25C
Synonyms:	CDC25; PPP1R60
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene ORF within SC109054 sequence for NM\_001790 edited (data generated by NextGen Sequencing)

```

ATGTCTACGGAACCTTTCTCATCCACAAGAGAGGAAGGAAGCTCTGGCTCAGGACCCAGT
TTTAGGTCTAATCAAAGGAAAATGTTAAACCTGCTCCTGGAGAGAGACACTTCCTTTACC
GTCTGTCCAGATGTCCCTAGAACTCCAGTGGGCAAATTTCTTGGTATTCTGCAAACCTA
AGCATTTTGTCTGGAGGAACCCAAAACGTTGCCTCGATCTTTCGAATCTTAGCAGTGGG
GAGATAACTGCCACTCAGCTTACCCTTCTGCAGACCTTGATGAAACTGGTCACCTGGAT
TCTTCAGGACTTCAGGAAGTGCATTTAGCTGGGATGAATCATGACCAGCACCTAATGAAA
TGTAGCCAGCACAGCTTCTTTGTAGCACTCCGAATGGTTTGGACCGTGGCCATAGAAAAG
AGAGATGCAATGTGTAGTTCATCTGCAAATAAAGAAAATGACAATGGAACCTTGGTGGAC
AGTGAAATGAAATATTTGGGCAGTCCCATTACTACTGTTCCAAAATTGGATAAAAATCCA
AACCTAGGAGAAGACCAGGCAGAAGAGATTTAGATGAATTAATGGAGTTTTCCCTGAAA
GATCAAGAAGCAAAGGTGAGCAGAAGTGGCCTATATCGCTCCCGTCGATGCCAGAGAAC
TTGAACAGGCCAAGACTGAAGCAGGTGGAAAAATCAAGGACAACACAATACCAGATAAA
GTTAAAAAAAAGTATTTTTCTGGCCAAGGAAAGCTCAGGAAGGGCTTATGTTTAAAGAAG
ACAGTCTCTCTGTGTGACATTACTATCACTCAGATGCTGGAGGAAGATTCTAACCCAGGGG
CACCTGATTGGTGATTTTTCCAAGGTATGTGCGCTGCCAACCGTGTGAGGAAAACACCAA
GATCTGAAGTATGTCAACCCAGAAAACAGTGGCTGCCTTACTGTGGGGAAAGTTCAGGGT
CTGATTGAGAAGTTTTATGTCATTGATTGTGCGTATCCATATGAGTATCTGGGAGGACAC
ATCCAGGGAGCCTTAACTTATATAGTCAGGAAGAACTGTTTAACTTCTTTCTGAAGAAG
CCCATCGTCCCTTTGGACACCCAGAAGAGAATAATCATCGTGTCCACTGTGAATTCTCC
TCAGAGAGGGGCCCCGAATGTGCCGTGTCTGCGTGAAGAGGACAGGTCTCTGAACCCAG
TATCCTGCATTGTAACCCAGAGCTATATATCCTTAAAGCGCGGTACAGAGACTTCTTT
CCAGAATATATGGAAGTGTGTGAACCCACAGAGCTACTGCCCTATGCATCATCAGGACCAC
AAGACTGAGTTGCTGAGGTGTGCAAGCCAGAGCAAAGTGCAGGAAGGGGAGCGGCAGCTG
CGGGAGCAGATTGCCCTTCTGGTGAAGGACATGAGCCCATGA
    
```

Clone variation with respect to NM\_001790.3

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_001790 unedited

```

CCGTCAGAAGTGTATACGACTCATATAGGCGGCCGCGNAATCGGCACGAGGCTTTGGCCT
TCTGCTCAGGGAAGACTCTGAGTCCGACGTTGGCCTACCCAGTCGGAAGGCAGAGCTGCA
ATCTAGTTAACTACCTCCTTTCCCTAGATTTCCCTTTCATTCTGTCTCAAGTCTTCGCCTG
TGTCGGATCCCTATCTACTTTCTCTCTTGTAGGCAAGCCTCAGACTCCAGGCTTGAG
CTAGGTTTTGTTTTCTCCTGGTGAAGTTCGAAGACCATGTCTACGGAACCTTCTCAT
CCACAAGAGAGGAAGGAAGCTCTGGCTCAGGACCCAGTTTTAGGTCTAATCAAAGGAAAA
TGTTAAACCTGCTCCTGGAGAGAGACACTTCTTTACCGTGTCCAGATGTCCTAGAA
CTCCAGTGGGCAAATTTCTTGGTATTCTGCAAACCTAAGCATTGTCTGGAGGAACCC
CAAAACGTTGCCTCGATCTTTCGAATCTTAGCAGTGGGGAGATAACTGCCACTCAGCTTA
CCACTTCTGCAGACCTTGATGAACTGGTCACTGGATTCTTCAGGACTTCAGGAAGTGC
ATTTAGCTGGGATGAATCATGACCAGCACCTAATGAAATGTAGCCAGCACAGCTTCTTT
GTAGCACTCCGAATGGTTTGGACCGTGGCCATAGAAAGAGAGATGCAATGTGTAGTTCAT
CTGCAAATAAAGAAAATGACAATGGAACTTGNTGGACAGTGAATGAAATATTTGGGCA
GTCCCATTAATACTGNTCCCAAATGGATAGAAATCCAAACCTAGGAGAAGACCAGGCAG
AAGAGATTCAGATGAATTATGGGAGTTTTCCCTTGAAGATCAAGAGCCACAGTGAAGCT
    
```



**Protein Pathways:**

Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation

**Gene Summary:**

This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described. [provided by RefSeq, Dec 2015]  
Transcript Variant: This variant (1) encodes isoform a. Variants 1 and 3 encode the same protein (isoform a).  
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.