

## Product datasheet for **SC100227**

### CDC26 (NM\_139286) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDC26 (NM_139286) Human Untagged Clone
Tag:	Tag Free
Symbol:	CDC26
Synonyms:	ANAPC12; APC12; C9orf17
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100227 sequence for NM_139286 edited (data generated by NextGen Sequencing)

```
ATGCTGAGACGGAAACCAACACGCCTAGAGCTAAAGCTTGATGACATTGAAGAGTTTGAG
AACATTGAAAAGGACCTGGAGACCCGTAAGAAACAGAAGGAAGATGTGGAAGTTGTAGGA
GGCAGTGATGGAGAAGGAGCCATTGGGCTTAGCAGTGATCCCAAGAGCCGGGAACAAATG
ATCAATGATCGGATTGGTTATAAACCCCAACCAAGCCCAATAATCGTTCATCTCAATTT
GGAAGTCTGAATTTTAG
```

Clone variation with respect to NM\_139286.3

#### 5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_139286 unedited
NGGGGTCAACTTTTGTATACGACTCATATAGGCGCCGCGAAATTCGCACCAGGCTAGGC
CGGCTTGGAAAAGAGATTTGACTGTACCTTTTAACTCTGTAGCTGGAACACAAGAAGTGT
TGTTTAATGAATGACGTACACATTTAAGATCTGTTTGGACGCGGAGGATAATCCTGTGAA
TTGCTAATAGTTCACCTGGGTTTGGCCCTTAGTGTGACTTCAGTATGCTGAGACGGAAAC
CAACACGCCTAGAGCTAAAGCTTGATGACATTGAAGAGTTTGAACATTGAAAAGGACC
TGGAGACCCGTAAGAAACAGAAGGAAGATGTGGAAGTTGTAGGAGGCAGTGATGGAGAAG
GAGCCATTGGGCTTAGCAGTGATCCCAAGAGCCGGGAACAAATGATCAATGATCGGATTG
GTTATAAACCCCAACCAAGCCCAATAATCGTTCATCTCAATTTGGAAGTCTGAATTTT
AGAGATGGATTATCTTGCATGCCAGAGCGCTGGAATGGAATAAAATGATGGCAGAAGTAC
AAACCAGATTTAGAGAATTGAGTGCTTGCAGTCAAGCAGAATGTACCTCCTGCAGAGACA
AATCTTCTGCATGAGATTACTGATGCTTCACTTGCAGTCAAGCTGGAATCCAACTCTG
GTTTGTCTCTTGGAAAATTTGACTCTATAAACTGATCTGATTTTCTGTTTTTAAAAATAA
TATATTTTGGAAAAAAAAAAAAAAAAAACTCGACTTAGATTGCGGCCGCGGTCATA
GCTGTTTCCTGAACAGATCCCGGGTGGCATNCTGTGACCCCTCCAGTGCCTCTCCTGG
CCCTGGAGTTGCCACTCCAGTGCCACAGCCTTGTNNCTATAAAATAAGTGCATCATTTG
TTGACTAGGTGTCT
```



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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_139286 unedited NNNCCGGTAAACTAAGGAACCGCGGCCGAANCTANGATCGAGTTTTTTTTTTTTTTTTTTTT TTTTCCAAAAAATTTTATTTTTAAAAACAGAAAATCGATCAGTTTTATAGAGTCAAAT TTTCAAGAGACAAACCAGAGTTTGGATTCCAGCTTAGAGTGCAAGTGAAGCATCAGTAAT CTCATGCAGAAGATTTGTCTCTGCAGGAGGTACATTCTGCTTGACTGCAAGCACTCAATT CTCTAAATCTGGTTTGTACTTCTGCCATCATTTTATTCCATTCCAGCGCTCTGGCATGCA AGATAATCCATCTCTAAAATCAAGACTTCCAAATTGAGATGAACGATTATTGGGCTTGG GTTGGGGTTTATAACCAATCCGATCATTGATCATTTGTTCCCGGCTCTTGGGATCACTGC TAAGCCCAATGGCTCCTTCTCCATCACTGCCTCCTACAACCTCCACATCTTCTTCTGTT TCTTACGGGTCTCCAGGTCCTTTTGAATGTTCTCAAACCTTTCAATGTCATCAAGCTTTA GCTCTAGGCGTGTGGTTTCCGCTCAGCATACTGAAGTCAACACTAAGGGCCAAACCCA GTGAACTATTAGCAATTCACAGGATTATCTCCGCGTCCAAACAGATCTTAAATGTGTAC GTCATTCATTAACAAACACTTCTTGTGTTCCAGCTACAGAGTTAAAAGGTACAGTCATA ATCTCTTTTCAAGCCGGCTAGCCTGGTGCCGAATTCGCGGCCGCCCTATAGTGAGTCGT ATTACAAAATTCTGACGGTTCACTAAACGAGCTCTGCTTATATAGACCTCCCACCGTACA CGCCTACCGCCATTTGCGTCACGGGGGGGGGTTATTACAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_139286
<b>Insert Size:</b>	800 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_139286.3</a></u> , <u><a href="#">NP_644815.1</a></u>
<b>RefSeq Size:</b>	885 bp
<b>RefSeq ORF:</b>	258 bp
<b>Locus ID:</b>	246184
<b>UniProt ID:</b>	<u><a href="#">Q8NHZ8</a></u>
<b>Cytogenetics:</b>	9q32
<b>Protein Pathways:</b>	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

**Gene Summary:**

The protein encoded by this gene is highly similar to *Saccharomyces cerevisiae* Cdc26, a component of cell cycle anaphase-promoting complex (APC). APC is composed of a group of highly conserved proteins and functions as a cell cycle-regulated ubiquitin-protein ligase. APC thus is responsible for the cell cycle regulated proteolysis of various proteins. [provided by RefSeq, Jul 2008]