

Product datasheet for **SC103113**

CDC34 (NM_004359) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: CDC34 (NM_004359) Human Untagged Clone
Tag: Tag Free
Symbol: CDC34
Synonyms: E2-CDC34; UBC3; UBCH3; UBE2R1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_004359 edited
 CGGCACGAGGGCTCGGGTCCCCGGGCGGCGGGCGCAGGAGGAGGCAGGCGGG
 GGCCCCGGTGGCTCCCCCGGACGGTGCGCGGGCCCGCCGTCTCGGAACTCGCGGTG
 GTCGCGCGGGCCCGCGCTGCTCCGACCCCGGGCCCTCCGCCCGCCATGGCTCGGCCG
 CTAGTGCCAGCTCGCAGAAGGCCTGCTGCTGGAGCTCAAGGGCTGCAGGAAGAGCCG
 GTCGAGGGATTCCGCGTGACACTGGTGGACGAGGGCGATCTATACAAGTGGGAGTGGCC
 ATCTTCGGGCCCCCAACACCTACTACGAGGGCGGCTACTTCAAGGCGCCCTCAAGTTC
 CCCATCGACTACCCATACTCTCCACCAGCCTTTCGGTTCCTGACCAAGATGTGGCACCT
 AACATCTACGAGACGGGGACGTGTGTATCTCCATCTCCACCCCGCGTGGACGACCCC
 CAGAGCGGGAGCTGCCCTCAGAGAGGTGGAACCCACGCAGAAGCTCAGGACCATCTC
 CTGAGTGTGATCTCCCTCCTGAACGAGCCCAACACCTTTCGCCCCGAAACGTGGACGCC
 TCCGTGATGTACAGGAAGTGAAAGAGAGCAAGGGGAAGGATCGGGAGTACACAGACATC
 ATCCGGAAGCAGGTCTGGGGACCAAGGTGGACGCGGAGCGTGACGGCGTGAAGGTGCC
 ACCACGCTGGCCGAGTACTGCGTGAAGACCAAGGCGCCGGCGCCGACGAGGGCTCAGAC
 CTCTTCTACGACGACTACTACGAGGACGGCGAGGTGGAGGAGGAGGCCGACAGCTGCTTC
 GGGGACGATGAGGATGACTCTGGCACGGAGGATCCTGACACCACAGAATAAATTGCC
 GAGTTTACCTCACTAGGGCCGACCCGTGGCTCCTTAGACGACAGACTACCTCACGGAGG
 TTTTGTGCTGGTCCCCGTCTCCTCTGGTTGTTTGGTTTTTCTCCTTCCCCATG
 TCTGTTCTGGGTTTTACGTGCTTCAGAGAAGAGGGGTTGCCCCACCGCCACTCAGTCA
 CTCGGGGCTCGGTGGACGGGCCAGGGTGGGAGCGGCCGCCCACCTGTCCCCTCGGGAG
 GGGAGCTGAGCCGACTTCTACCGGGTCCCCAGCTTCCGACTGGCCGACCCCGGAG
 GAGCCACGGGGCGCTGCTGGGAACGTGGGCGGGGGCCGTTTCTGACACTACCAGCCT
 GGGAGGCCAGGTGTAGCGGTCCGAGGGGCCCGTCTGCCTGTCAGCTCCAGGTCTTG
 AGCCACGTCCAGCACAGAGTGGACGGATTACCGTGGCCGACTTTTTTCCCTGCTTTGG
 TTTGTTTGAATCTAAATAAACTACTTTATGAGAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_004359 unedited</p> <pre>GGTCANCAATTTGTATACGACTCCTATAGGCGGCNCGCGATTTCGGCACGAGGGCTCGGGGT CCCCGGGCGGGCGGGCGGCGCAGAGGAGGAGGCAGGCGGGCCCGGTGGCTCCCCC CGGACGGTGC GCGGCCCGGCCGTCTCGCGAACTCGCGGTGGTCGCGGGCCCCGCGTG CTCCGACCCCGGGCCCTCCGCCGCCATGGCTCGGCCCTAGTGCCAGCTCGCAGA AGGCGCTGCTGCTGGAGCTCAAGGGCTGCAGGAAGAGCCGGTCGAGGGATTCCGCGTGA CACTGGTGGACGAGGGCGATCTATACAACCTGGGAGGTGGCCATCTTCGGGCCCCCAACA CCTACTACGAGGGCGGCTACTTCAAGGCGGCCTCAAGTTCCCCATCGACTACCCATACT CTCCACCAGCCTTTCGGTTCCTGACCAAGATGTGGCACCCTAACATCTACGAGACGGGG ACGTGTGTATCTCCATCCTCCACCCCGGTGGACACCCAGAGCGGGGAGTGCCCT CAGAGAGGTGGAACCCACGCAGAACGTCAGGACCATTCTCTGAGTGTGATCTCCCTCC TGAACGAGCCCAACACCTTCTCGCCCGCAAACGTGGACGCCTCCGTGATGTACAGGAAGT GGAAAGAGAGCAAGGGGAAGGATCGGGAGTACACAGACATCATCCGGAAGCAGGTCTGG GGACCAAGGTGGACGCCTAGCGTGACGGCGTAAAGTGCCACCACGCTGGCCGAGTACT GCGTGGAAGACCAAGGCGCGGCCCGACGAGGCTCAGACCTTCTACGACGACTAC TACNACAGACCGCNAGGTGGAAGAGAGGCCACCCGCTGCTTCGGGACGATGAGGATGACTC TGGCACG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_004359 unedited</p> <pre>NTTCCTAGCTCTGNNACCGCGCCGCATNCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTT TTTTTCTATAAAGTAGTTTTATTTAGATTTCAAACAAACCAAAGCAGGGAAAAAGAGTC GGCCACGGTGAATCCGTCCACTCTGTGCTGGACGTGGCTCCAGGACCTGGAGCTGACAGG CAGGACCGGGCCCTCGGACCGCTACACCTGGGCCTCCAGGCTGGTAGTGTGAGAAAC GGCCCCCGCCACGTTCCAGCAGCGCCCGTGGCTCCTCCGGGTGCGGCCAGTCCG GAAGCTGGGGGACCCCGGTAGAAGTCGGGCTCAGCTCCCTCCCGAGGGGACAGGTGGGC CGGCCGCTCCACCCCTGGGCCGCTCCACCGAGCCCGAGTGACGTGAGTGGCGGTGGGGC AACCCCTCTTCTGAAGCACGTGAAAACCCAGAACAGACATGGGGAAAGGAGAAAAAGCC AAAACGAAACAACAGAGGAGACGGGGACCAGCACAAAACCTCCGTGAGGTAGTCTGTGC TCTAAGGAGCCACGGTCCGGCCCTAGTGAAGTAACTCGGCAAGTTTATTCTGGTGGTG TCAGGACTCCTCCGTGCCAGAGTATCCTCATCGTCCCGAAGCAGCTGTCCGCCCTCCTC TCCACCTNGCCGCTCCTGTAGTAGTCTCGTAGAAGAGGTCTGAGCCCTCTCGGGCGC CCGCGCCTTGGTCTCACGCAGTACTCGGCCAGCGTGGTGGCACCTTACGCCGTACGC TTCGCGTCCACCTTGGTCCCGAGACCTGCTTCCGGATGAGTCTGTGACTCCCGATCCT TTCCTTGTCTTTTTCCACTCCTGTACTAACGGAGGCGTCCACTTTTCCGGCAAAAAGTG TTTGGC</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_004359
Insert Size:	1400 bp
OTI Disclaimer:	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).
Components:	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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_004359.1](#), [NP_004350.1](#)

RefSeq Size: 1462 bp

RefSeq ORF: 711 bp

Locus ID: 997

UniProt ID: [P49427](#)

Cytogenetics: 19p13.3

Domains: UBCc

Protein Pathways: Ubiquitin mediated proteolysis

Gene Summary: The protein encoded by this gene is a member of the ubiquitin-conjugating enzyme family. Ubiquitin-conjugating enzyme catalyzes the covalent attachment of ubiquitin to other proteins. This protein is a part of the large multiprotein complex, which is required for ubiquitin-mediated degradation of cell cycle G1 regulators, and for the initiation of DNA replication. [provided by RefSeq, Jul 2008]