

Product datasheet for **SC305536**

Cyclin B3 (CCNB3) (NM_033031) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cyclin B3 (CCNB3) (NM_033031) Human Untagged Clone
Tag: Tag Free
Symbol: CCNB3
Synonyms: CYCB3
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_033031, the custom clone sequence may differ by one or more nucleotides

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ATGCTACTGCCACTACCACCCAGAGCTCCAAACCTGTGCCTAAGAAATCTCAGTCCAGC
AAAATTGTGCCAGTCATCATGACCCATCTGAAAAGACGGGGGAGAATTGCCAAACGAAG
ATATCTCCATCTTCACTTCAGGAGTCTCCATCTTCACTTCAGGGAGCACTCAAAAAGAGA
TCAGCTTTTGAAGATCTCACTAATGCTTCTCAATGTCAACCTGTCCAGCCCAAGAAAGAA
GCCAATAAAGAGTTTGTAAAAGTTGTTTCCAAGAAGATAAACAGGAACACACATGCTCTT
GGACTGGCCAAAAGAATAAGCGGAATCTAAAATGGCATAAGCTGGAAGTCACACCAGTA
GTAGCCTCTACTACCGTGGTACCAAACATTATGGAGAAACCACTATTCTAGACATATCC
ACCACCTCCAAAACACCCAACTGAGGAGGCATCTCTTTCAGAAAGCCATTAGTTTTA
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TGCTCAAATCATGAGGAGGTGTCCTTACTGGAAAAGCTACAGCCCTGCAGGAGGAGAGT
GACAGTGATGATGCGTTTGTATAGAGCCAATGACTTTTAAAGAAGACACATAAACTGAG
GAGGCAGCCATCACCAAGAAGACATTATCCTTAAAGAAGAAGATGTGTGCAAGTCAGCGG
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TTCTTTATGGAGTCAATGAGTTTTAAGAAGAAGCCTAAAACCTGAGGAGTCAATCCCACC
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ACTGAGAAGGAGACACTTTTCCAAGAGCTATCTGTATTGCAAGAGAAACACACCCTGAG
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CTTACCAAGACATCGTTGTCTTTACAGGAAAAGAAAATTACTCAGGGGAAGATGTCCCAC
 TTAAGAAGCCACTGGTCTTGCAGAAGATCACTTCTGAGGAGGAGTCATTCTATAAGAAG
 CTGTTGCCCTTTAAGATGAAATCTACAACGGAAGAAAAGTTCTCTCCCAGGAACCATCT
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 AAGTCCAGGACCACCAGGAGTCCAGTGCATGTGAATCTGCTTCTGATAAACCTGTCTCA
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 AACTCACCTCGTGTGGATGACTTTGTGTACATCTGTGATGATAATTATCAGCGATCTGAG
 GTACTCAGCATGGAAATCAACATCCTGAACGTCCTCAAATGTGACATTAACATCCCATC
 GCCTACCATTTTTCTGCGCAGATATGCTAGGTGTATCCACACCAACATGAAGACACTGACC
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 GTTCCCTTCTGGAGCATTACAGTGGCTACAGTATCTCTGAGCTTCAACCCCTTGGTACAG
 CAGCTGAACAAACTGCTGACTTTTCAGTTCTTACGATAGTCTCAAGGCTGTGTATTACAAG
 TATTCTACCCGGTCTTCTTTGAAGTCGCCAAAATCCCTGCCTTGATATGTTGAAGCTG
 GAGGAGATTTTGAAGTGTGATTGTGAGGCTCAGGGCCTGGTACTCTAG

Restriction Sites:

Please inquire

ACCN:

NM_033031

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).

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| OTI Annotation: | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA. |
| 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: | <ol style="list-style-type: none">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_033031.1 , NP_149020.1 |
| RefSeq Size: | 4513 bp |
| RefSeq ORF: | 4188 bp |
| Locus ID: | 85417 |
| UniProt ID: | Q8WWL7 |
| Cytogenetics: | Xp11.22 |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Cell cycle, p53 signaling pathway, Progesterone-mediated oocyte maturation |
| Gene Summary: | <p>The protein encoded by this gene belongs to the highly conserved cyclin family, whose members are characterized by a dramatic periodicity in protein abundance through the cell cycle. Cyclins function as positive regulators of cyclin-dependent kinases (CDKs), and thereby play an essential role in the control of the cell cycle. Different cyclins exhibit distinct expression and degradation patterns, which contribute to the temporal coordination of each mitotic event. Studies of similar genes in chicken and drosophila suggest that this cyclin may associate with CDC2 and CDK2 kinases, and may be required for proper spindle reorganization and restoration of the interphase nucleus. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (3) represents the longer transcript and encodes the longer isoform (3).</p> |