

## Product datasheet for **MG205692**

### **Ccnb1 (BC080202) Mouse Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ccnb1 (BC080202) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ccnb1
Synonyms:	MGC18763
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205692 representing BC080202 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCTCAGGGTCACTAGGAACACGAAAATTAACGCAGAAAATAAGGCCAAGGTCAGTATGGCAGGCG  
CCAAGCGTGTGCCTGTGACAGTTACTGTGCTTCCAAGCCGGGCTGAGACCGAGAAGTCTTTGGAGA  
CATTGGTAATAAAGTCAGCGAAGAGCTACAGGCAAGAGTGCCTCTGAAAAGGGAAGCAAAAACGCTAGGT  
ACTGAAAAGGTACTGTTAAAGCCCTACAAAACCTGTAGAGAAGGTGCCTGTGTGTGAACCAGAGGTGG  
AACTTGTGAGCCTGAGCCTGAACCTGAACCTTGAACATGTTAGAGAAGAGAAGCTTCTCCTGAACCTAT  
TTTGGAAGAGCAGTCAGTTAGACCAAAATACCTACAGGGTCGTGAAGTACTGGAAAACATGAGAGCTATC  
CTCATTGACTGGCTAATACAGGTTAGATGAAATTTAGGCTGCTTCAGGAGACCATGTACATGACTGTGT  
CCATTATTGATCGGTTTATGCAGAACAGTTGTGTGCCAAGAAGATGCTACAGCTGGTCCGGTGAACGGC  
CATGTTTATTGAAGCAAAATATGAGGAGATGTACCCTCCAGAAATAGGTGACTTCGCCTTTGTGACTAAC  
AACACGTACACTAAGCACCAGATCAGACAGATGGAGATGAAGATTCTCAGAGTTCTGAACCTCAGCCTGG  
GTCGCCCTCTGCCTCTGCACTTCTCCGTAGAGCATCTAAAGTCGGAGAGGTTGACGTCGAGCAGCACAC  
TTTGGCCAAATACCTCATGGAGCTCTCCATGCTGGACTACGACATGGTGCATTTTGTCTCTCAAATT  
GCAGTGGGGCTTTCTGCTTAGCGCTGAAAATTTGACAACGGTGAATGGACACCAACTCTGCAGCAT  
ACCTATCCTACAGTGAAGACTCCCTGCTTCTGTTATGCAGACCTGGCTAAGAATGTAGTCATGGTGAA  
CTGTGGCCTCACAAAGCATGACTGTCAAGAACAAGTATGCAGCATCTAAGCATGCTAAGATCAGCAGC  
CTGGCACAGTGAACGTACTAGTTCAGAATTTGTCTAAGGCCGTGACAAAGGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG205692 representing BC080202  
 Red=Cloning site Green=Tags(s)

MALRVTRNTKINAENKAKVSMAGAKRVPVTVTAASKPGLRPRALGDIGNKVSEELQARVPLKREAKTLG  
 TGKGTVKALPKPVEKVPVCEPEVELAEPEPEPELEHVREEKLSPEPILEEQSVRPKYLQGREVTGNMRAI  
 LIDWLIQVQMKFRLLQETMYMTVSIIDRFMQNSCVPKMMLQLVGVAMFIASKYEEMYPPEIGDFAFVTN  
 NTYTKHQIRQMEMKILRVLNFSLGRPLPLHFLRRASKVGEVDVEQHTLAKYLMELSMLDYDMVHFAPSQI  
 AAGAFCLALKILDNGEWPTLQHLYLSYSEDSLPLVMQHLAKNVVMVNCGLTKHMTVKNKYAASKHAKIST  
 LAQLNCTLVQNLKAVTKA

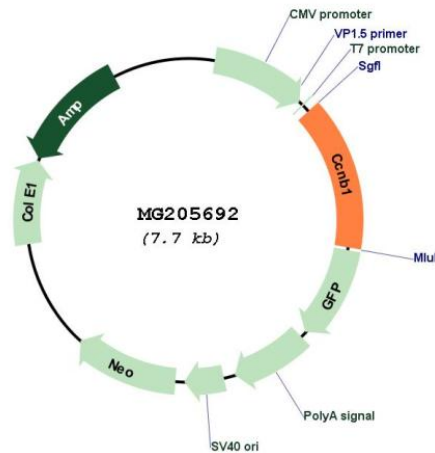
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** BC080202

<b>ORF Size:</b>	1109 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">BC080202</a> , <a href="#">AAH80202</a>
<b>RefSeq Size:</b>	2125 bp
<b>RefSeq ORF:</b>	1109 bp
<b>Locus ID:</b>	268697
<b>Cytogenetics:</b>	13 53.23 cM
<b>Gene Summary:</b>	Essential for the control of the cell cycle at the G2/M (mitosis) transition.[UniProtKB/Swiss-Prot Function]