

## Product datasheet for **MG206566**

### Cdc5l (BC003893) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc5l (BC003893) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdc5l
Synonyms:	1200002I02Rik; AA408004; PCDC5RP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206566 representing BC003893 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCCGGATTATGATCAAAGGGGAGTGTGGAGGAACACGGAGGATGAAATTCTGAAAGCAGCGGTAA  
TGAAATATGGGAAAAACCAAGTGGTCTAGGATTGCCTCATTGCTGCATAGGAAATCGGCAAAGCAGTGCAA  
AGCCAGATGGTACGAATGGCTGGATCCAAGTATTAATAAACTGAATGGTCCAGAGAAGAGGAAGAAAAA  
CTCTTGCACTGGCCAAGCTGATGCCAACGCAGTGGAGGACCATTGCTCCGATCATAGGAAGAACAGCAG  
CCCAGTGTGGAACTATGAGTTCCTCCTGGACAAAAGTCCCAAAGGACAATGAAGAAGAAACAAC  
AGATGACCCCGAAAGCTTAAGCCTGGAGAGATAGATCCAAACCCAGAGACCAAGCCAGCCGCGCTGAC  
CCGATAGACATGGATGAGGATGAACTTGAGATGCTCTCCGAGGCTCGAGCCCGTCTGGCCAACTCAAG  
GAAAGAAGGCTAAAAGGAAAGCAAGAGAAAAGCAGTTGGAAGAAGCCAGGCGCCTTGCTGCCCTCCAGAA  
AAGACGAGAGCTTCGAGCAGCTGGCATAGAGATTCAGAAGAAAAGGAAAAAGAAGAGAGGCGTTGATTAT  
AATGCTGAAATCCCATTTGAAAAAAGCCTGCTCTTGGTTTTATGATACTTCTGAGGAGAATTACCAGG  
CCCTTGATGCAGATTTAGGAACTGCGGCAGCAGGATCTTGATGGAGAGCTAAGATCTGAAAAAGAAGG  
AAGAGATAGGAAAAAGACAAACAGCATTAAAAAGGAAAAAGGAGTCTGATTTACCATCAGCTATCCTC  
CAAACCAAGTGGTCTCTGAGTTCATAAAAAGAGAAGCAAACCTGTGTTGCCTGCGCCTCAGATTTGAG  
ATGCTGAACTCCAGGAAGTTGTCAAGGTAGGCCAGGCCAGTGAAGTCGCACGGCAGACGGCGGAGGAGTC  
AGGAATAACAACTCTGCTTCTAGCACTCTCCTGTCTGAGTACAATGTCACAAACACAGCATCGCTCTG  
AGAACACCACGGACACCAGCCTCTCAAGACAGGATTCTACAGGAAGCTCAGAACCTCATGGCCTTGACCA  
ATGTGGCACTCCATTGAAAGGTGGCTTAATACCCCACTGCATGAGAGTGACTTCTCTGGTGTGACCCC  
ACAGCGGCAAGTTGTGCAGACTCCAATACAGTTCTGTCTACCCCTTTCAGATTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online >](#)

**Protein Sequence:** >MG206566 representing BC003893  
Red=Cloning site Green=Tags(s)

MPRIMIKGGVWRNTEDEILKAAVMKYGKNQWSRIASLLHRKSAKQCKARWYEWLDPSIKKTEWSREEEEK  
 LLHLAKLMPTQWRTIAPIIGRTAAQCLEHYEFLLDKTAQRDNEEETDDPRKLPGEIDPNPETKPARPD  
 PIDMDELEMLSEARARLANTQKKAKRKAREKQLEEARRLAALQKRRELRAAGIEIQKKRKKRGVDY  
 NAEIPFEKKPALGFYDTSEENYQALDADFRLRQQDLGELRSEKEGRDRKKDKQHLKRKKESDLPSAIL  
 QTSGVSEFTKKRSKLVLPAPQISDAELQEVVYKVGQASEVARQTAEESGITNSASSTLLSEYNVTNNSIAL  
 RTPRTPASQDRILQEAQNLMALTNVDTPKGGGLNPLHESDFSGVTPQRQVVQTPNTVLSTPFRLL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC003893

**ORF Size:** 1245 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [BC003893.1](#)

**RefSeq Size:** 2013 bp

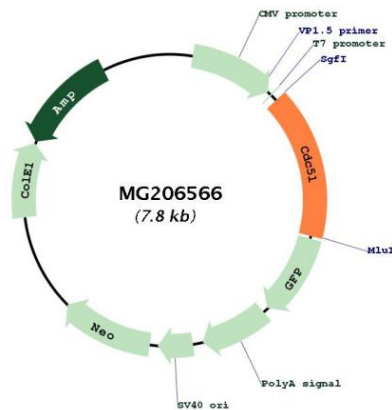
**RefSeq ORF:** 1247 bp

**Locus ID:** 71702

**Cytogenetics:** 17 B3

**Gene Summary:** DNA-binding protein involved in cell cycle control. May act as a transcription activator. Plays role in pre-mRNA splicing as core component of precatalytic, catalytic and postcatalytic spliceosomal complexes. Component of the PRP19-CDC5L complex that forms an integral part of the spliceosome and is required for activating pre-mRNA splicing. The PRP19-CDC5L complex may also play a role in the response to DNA damage (DDR).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MG206566