

## Product datasheet for **RG206731**

### CCDC116 (NM\_152612) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC116 (NM_152612) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC116
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG206731 representing NM\_152612  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCAGGTGCCGCCACCACTCGGGTTACCTGGCCGATGACGAGGCCAGCCACTCCATGTGCAGTGCAC  
 GGGTGCAGCTGCCAAGAAGCCACTGGTCCCAGAAATGCGGCCAGCCTGCAAGCCGGCCGTGTGCCACA  
 CCCACCATCCACATGTGGCAGCTCAGCACTCCAGGGCCAACGCCGAAACAAGAGGCCACCTCAGCCCTTT  
 GGCCACTTTCTGGATTTCTAACTGAGAGCCAGGTCTGGACAGCCTGGAGACAGTGGTGGAGAAGGCGA  
 CTGAGCGCATGGCTGCCATGAAGACGGAGGCTGGGGTGGCGTTGTGGAGGTGCAGGACCCAGTGGAGGT  
 GCCAAGTGGTGGACGGCGGCACATGCCCGGCCAGCCTCAGCACCGTACACCGGCACCGTGTACGGCCG  
 ACCCTCTGCACTGGACACCCCAACAACCTACCCATCCAGCTCCAGCTCCATGTCCAACCTGCCATAGCAGCC  
 TCATGGCCGGCTGTCTGGCTCCCACAGCCGGGACAGTACCTAGGTGCCAAGGCTCATTGCCACCTGT  
 GAGGGACAAACTCTGCTGGAGAAGAACCTCAAGCGGCTGCTACAGCTGGAGAGGGAAGGAAAGGCCTC  
 AGTCAGTCTGCTCCAGAGGGACTCCCTGCTGTGGGATTGCTGGGTAGCCAGACCAGCTTTCAGTGGA  
 CACAGGAGCAGCCCTTGCTGTTCTCAGGGCTGCTGGGCTCAAGCTCTGGCGTGCCTGAAGCATCAGA  
 GCCGAGGCTGGAGAACAGGAGCCAATCTCCGCAAGCGAGAGTTCAATAAGGAGATCAAGTCATTACTG  
 AGCCAGCTGGAGTCCCTCGACCTGCCTGGCTACTGTCCGCTCCGTGAGCCCCATCGCACGCTGAACCTCC  
 TGGCTGACCACCGCCTCTCCCTGCCCTGCAAAGCGTGGTCAGCCAGGCTGTGGATAAGCTCCGTGGCGC  
 CCACTGCCCGACGGCCCTCTCTGTTCCCAACAGCTGGAGCCACCTCAGATCTGCCGCTCTGGGC  
 TCTGAGCCAGCTAAACCCACCAATGGCGGGCAGCCCTATGCTTCCCCCGCCCCACAGTCTCCAGCCCCA  
 AGATGCTTCAGAGAAAACGCAAGGACAGAGGAGGCTCCCCCTCCATGTCTAGTCCCAGTGGCCACCCAG  
 ATTCAAACTCAAGAGCCCTGCAGCAGCAGCAGGTTACGGAAGAAGAAGCCGCTGCCCTCCATCTCGTCG  
 AAGTCCAGCATGTCTCACTTCTCCAACCGCTTTATGAGGAGCTCGCCGACTTCTGACCCAGCAGGCGAG  
 CCTCCTTGGTCATCCGCAAGTACGAGTTCGAAAAGGACCTCAGTAAGCAGCTGGGCTTCTTCTCCTTCCC  
 CATCACCCACGTGCTCAGGGACCTTCCCTGGGCTTAAAGAAGGTAAAAGGCTCCCGCATCCACCTGTCC  
 TCGGAGACCCACCGAGCTGCCTGCTGCGTAAACTGGAGGAGTCCAAAAGGGCCCGCAGGCTCCCGGC  
 TCAGCACCTCCCCTGCAGCACAGAGACACCTCTGTGCAGCAGGAACCAGCCACCCACTGCCAGGA  
 CCAGGCCACAGACCCCTGCCGCTCCCTTACACCAACTTGCAGCCAGCCGGCAGCTCAGCCCTTGGAG  
 CCCAAGCTCTACATGTCTGCCTGCACCGGCATGGGTTCCAGTCCCCCAAGTCCAAGGACATGGACAATG  
 AGGGCCGTGATAAAGCCGAGATTGAAGATGAAGATGAGGATGAGTCAAGGATGAAGACCAGGATGAGGA  
 CAAGGATGAGGATGGAGTC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG206731 representing NM\_152612  
 Red=Cloning site Green=Tags(s)

MARCRHHSYGLADDEASHMCSARVQLPKKPLVPEMRPACKPGRVPHPPSTCGSSALQGRRNRKHPQPF  
 GHFLDFL TESQVLD SLETVVEKATERMAAMKTEAGVPLVEVQDPVEVPSGGRRAHARPSLSTVHRHRVRP  
 TLCTGHPNYPSSSSMSNCHSSLMAGCLGSHSRSDSLGAQGSLLPPVRDKLLLEKNLKRLLQLEREGKGL  
 SQSCSQRDSLLWDSLGSQTSFQWTQEQLSWFSGLLGSSSGVPEASEPRPGEQEP IFRKREFNKEIKSLL  
 SQLESLLDLPGYCLREPHRTLNLFLADHRLFPALQSVVSQAVDKLRGAHCRDGRPLFPTSLPTSDLPPLG  
 SEPAKPTNGGQPYASPRPTVSSPKMLQRKRKDRGGSPSMSAQVATRFKLKSPCSSRFTKKKPLPSISS  
 KSSMSHF SNRLYEELADFLTQQAASLVIRKYEFEKDL SKQLGFFSFPITHVLRDL SLGLKKVKGSR IHL S  
 SETHRSCLLRKLEESKRARQASRLSTSHCSTETPSVQEPATHTAQDQATEPCRSLYTNLPASRQLSPLE  
 PKLYMSACTGMSSPPKSKMDMNEGRDKAEIEDEDEDEFKDEDQDEKDEDGV

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_152612

**ORF Size:** 1839 bp

**OTI Disclaimer:** 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:** [NM\\_152612.3](#)

**RefSeq Size:** 2252 bp

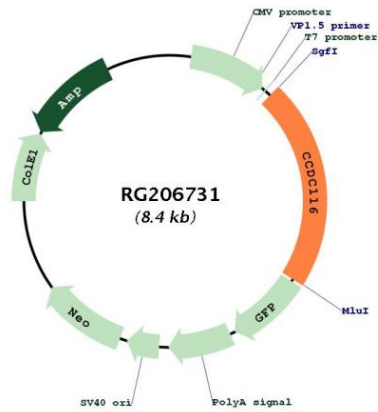
**RefSeq ORF:** 1842 bp

**Locus ID:** 164592

**UniProt ID:** [Q8IYX3](#)

**Cytogenetics:** 22q11.21

Product images:



Circular map for RG206731