

## Product datasheet for **RG211748**

### CCDC64B (BICDL2) (NM\_001103175) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC64B (BICDL2) (NM_001103175) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCDC64B
Synonyms:	BICDR-2; BICDR2; CCDC64B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG211748 representing NM\_001103175  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCTCTCAGATGGGCCAGCTTCCGTCGCGGCCGCTCTCAGGGGCGCCTCTCCAGCGGGCAGC  
 AGGGCTTCTTCCCTTTGTGCTGGAGCGCGGGACTCATTCTGGAGGGGGCCAGGGCTGAGGAGCC  
 CGAGGACCTAGCCTTGCAGCTGCAGCAGAAAGGAGAAAGACCTGCTGTTGGCCGCGGAGCTCGCAAGATG  
 CTTCTGGAGCGAAATGAAGAGCTGCGGCGCAGCTGGAGACGCTGAGCGCCAGCACTTGGAGCGTGAGG  
 AACGGTCCAGCAGGAGAACCATGAGCTCCGGCAGGGCTGGCAGCCGAGGAGCCGAGTGGGAGGCCCCG  
 GGCCGTGGAGCTGGAGGGGACGTGGAGGCCCTGCGGGCCAGCTTGGGAGCAGCGCTCAGAGCAGCAG  
 GACAGTGGGCGAGAACGGGCACGGGCCCTCAGCGAGCTCAGCGAGCAGAACCTCCGGCTCAGCCAGCAGC  
 TGGCTCAGGCCTCCAGACTGAGCAGGAACCTCAGAGGAACTGGACGCCCTTCGGGACAGTGCCAGGC  
 TCAGGCACTGGCTGGAGCAGAGCTGAGGACGCGGCTGGAGAGTCTGCAGGGGAAAACAGATGCTGCAG  
 AGCCGCCGGCAGGACCTGGAGGCCAGATCCGAGGCCCTGCGTGGAGAGGTGGAGAAGGGTGGAGGCAGAC  
 TGCAGACCACCCACGAGGAGTTGCTGCTGCTGAGGCGGGAGCGGCGGGAGCACAGCTGGAGCTGGAACG  
 CGCACGGTCAAGGCTGGGAGGCGCTGAGTGCCTGCGGAGGCTGCAGCGGCGCGTCTCCGAGCTGGAG  
 GAGGAGTACGCCTCCAGGACGCCGACGTGTCGGTGCCTCGTTGCAGTCAGAATGGCCACAGCCTCG  
 ACGACGGCGACAGGGCCAGGGCCGACGCACCCGGAGACACCCGACCCCGGTCCCAAAGACCCG  
 AAAGGCGTCCAGCCCCAGCCTTACCCCCGGAAGAGATCTTAGAGCCCCCAAGAAGCGAACATCCCTC  
 AGTCCAGCGGAGATACTGGAGGAGAAGGAGTGGAAAGTGGCAAGCTGCAAGATGAGATCTCGTGCAGC  
 AGCAGAGCTGCAGTCCCTGCGGGAAGAGCTGCAGAGGCAGAAGGAGCTGCGGGCCGAGGAAAGCCTGG  
 GGAGGCCCTGCACAGTGCCTCTCAGACCGGGACGAGGCCGTGAACAAGGCCCTGGAGCTGTCCCTGCAG  
 CTAACCGCTCTCGCTGGAGCAGACTCCCTGTCTCGGGAGCTGCTGCGCGCCATCCGCCAGAAGTGG  
 CGCTCACGAGGAGCTGGAGGCCGTCAGGACGACATGCAGGTGGTATCGGGCAGCAGCTGCGCTCACA  
 GCGCCAGAAGGAGCTGAGCGCCTCCGCTCGTCTGACCCCGCGCCGTGCCGCGCCCGCTTCTCGCTG  
 CGCTGGGCCCGGGCCCGCGGTGGCTTTCTCAGTAACCTTCCGAAGGACC

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG211748 representing NM\_001103175  
 Red=Cloning site Green=Tags(s)

MSSPDGSPFSPGPLSGGASPSGDEGFFPFVLERRDSFLGGPGPEEPEDLALQLQKEDLLLAELGKM  
 LLERNEELRRQLETLSAQHLEREERLQENHELRRGLAARGAEWEARAVELEGDVEALRAQLGEQRSEQQ  
 DSGRERARALSELSEQNLRLSQQLAQASQTEQELQRELDALRGQCQAQALAGAELRTRLESQGENQMLQ  
 SRRQDLEAQIRGLREEVEKGEGRLOTTHEELLLRRRERREHSLELERARSEAGEALSALRRLQRRVSELE  
 EESRLQDADVSAASLQSELAHSLDDGDQGGADAPGDTPTTRSPKTRKASSPQSPPEEILEPPKRTSL  
 SPAEILEEKEVEVAKLQDEISLQQAELQSLREELQRQKELRAQEDPGEALHSALSDRDEAVNKALELSLQ  
 LNRVSLERDSLRELLRAIRQKVALTQELEAWQDDMQVVIQQQLRSRQKEL SASASSSTPRRAAPRFSL  
 RLGGPGAGGFLSNLFRRT

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001103175

**ORF Size:** 1524 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\\_001103175.2](#)

**RefSeq Size:** 1811 bp

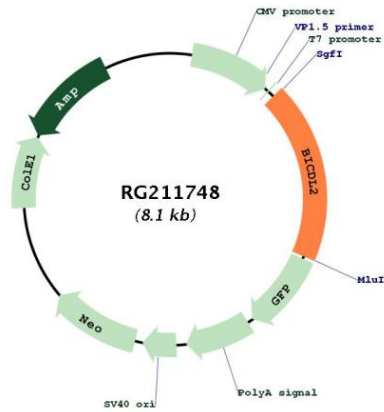
**RefSeq ORF:** 1527 bp

**Locus ID:** 146439

**UniProt ID:** [A1A5D9](#)

**Cytogenetics:** 16p13.3

Product images:



Circular map for RG211748