

## Product datasheet for **MG217748**

### **Ccdc157 (NM\_177616) Mouse Tagged ORF Clone**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                        |
| Product Name:             | Ccdc157 (NM_177616) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                   |
| Symbol:                   | Ccdc157                                    |
| Synonyms:                 | 4930562D19Rik; mKIAA1656                   |
| Mammalian Cell Selection: | Neomycin                                   |
| Vector:                   | pCMV6-AC-GFP (PS100010)                    |
| E. coli Selection:        | Ampicillin (100 ug/mL)                     |



[View online »](#)

**ORF Nucleotide Sequence:**

>MG217748 representing NM\_177616  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGATGCCTCCTGCCCGGCTGCAGGGCCATGCATGTCCGTGGGACTTACAGTACGGCGCTTCTGGAGCA  
 ACCTGCTTAGGCTGGCCCTGCTCTACCAGCAGGCACTCCCCAGAAAAGAGCAAACAAGGGGAGATTTTC  
 TATCACCAAGCCACAGCTAAGGGTGAACCAGCCAGGAGCCCGGAATGTATGACTGCCAAGTTCATCAAG  
 CCCCCTTCCCGGTGCCAGGCTTGCCTTTGATCTGCCAAGGGTTGCAGAGCATCCCTGTCAGAGTCTCCC  
 TGGCGAGCCAGGTGGAACCTCTGAGAAAATAAGAGCGTCTACTCCAGACCGTCGAGACAGCCTTGGT  
 GCCCTGTGATGCTTGACCAGTGTCCAGGGCAGCTTGTGGGAGGTGGGCAAGGTTGTTATCAGCCTGTGT  
 CAGAGCCAAAACCTGCCTTCATCCTTGGCCAGTTCAGAAGTTGGTGAAGGACAGCCTGGGGCTTAAAC  
 CACTGCCAGCTGCCACCGTGGGCCACTGGGCAGCAGAGCAGAAAGACCTGACTCGTCTCAATAAACA  
 TGTGGGGCCCTCACCCAGCTTGTGGGCCCTCAGGGCTCAGCTGGAAGACGCTGAGGGCCAGAAGGAT  
 GGCTGAGGAAGCAGGTGAGCAAGCTGGAGCAGGCCCTGCAGCAGGAGCAAGGGCAGCGGACGGGCAGA  
 CAGAGGAGGCTGAGCGGACCTGGCCAAGTGCAGCATGACAGGCATCAGCTGCTCACAGAAACATGTGA  
 CCTAAAGACAAAGGTGGCCGTTTTGGAGGGAGACCTGAAGCAGCAGCAGAAGTCCATACAGGCCATGGAG  
 GCCAAGGCTCAGCAGCTGGAGGAGGAAGGGGAGCGTAGGGCAGCAGCTGAGAGGCAGGTGCAGCAGCTGG  
 AGGAGCAAAGTGCAGCTGCTGGCGGGGCGCTGGACGGGGCTAGCCAGCAGATCCGCTGGGCCAGCACGGA  
 GCTGGACAAGGAGAAGGCCCGCTGCACAGCATGGTCCGTATCAGGAGTCCCTGCAGGCCAAGCAGAGG  
 ACTTTGCTACAGCAGCTGGACTGTCTGGACCAGGAGCGGGAAGAGCTGCGGGGAAGTCTGGATGAGGCTG  
 AGGCCACGCGGTCTGAGTTGGAGGAGCAGCTGCAGAGCCTCCAGAGCGATAGGGAGCAGGAACAGTGCCA  
 GCTACAGGCCAGCAGGAACCTGCTGCAGAGCCTGCAGCAGGAGAAACAGGACCTGGAACAGGTGACTACA  
 GACCTGCAGCTGACCATCTCTGAGCTACGGCAGCAGCTGGAGGAGCTGAAGGAACGGGAGCGGCTGCTGG  
 TGGCCTTCCCAGACCTGCACCAGCCAGAGGAGGCCAGATCCAAAGCTCTAGCAATGTCACGCAGGACAT  
 GGAGAGGCAAGTGAAGCAATGCTATCCGTATCCAGTCTACAGGAGGAGAACAAGCGGCTCCAGTGC  
 ATGCTGACCAAAATCCGAGAGGTGGCCAGCAGGGAGGCCTCAAGATGGTCCCGCAGGGCCAGCTCTGGT  
 CCCCTCCCTACAAGGCCATCCAGGGAGCAACCCCTCCAGCCAGGCCAGAGTGCATTCTCAGGGTTGAC  
 AGGCAGACGGCAGTCTCCTGGCAGCAGGACAAGCAGCACAGGCAGGACCCATCCTGGCGGGCTCCGTACA  
 TCCCCGTCTCGCAGCCCGCGGCTTGCCAGCAAGTTCTCTTTGGGGATGGAAGTCATTACAGCATCCT  
 GCACCCAGAATCCATAAGGGCCTTGGCCAGGCTGAGGAGAAAGCTTTCACCGAACCGTCAAGGCTGGTTC  
 TACATACCAGCCCAGGAGCGGCCACG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG217748 representing NM\_177616  
 Red=Cloning site Green=Tags(s)

MMPPARAAGPCMSVGLTVRRFWSNLLRLGLLYQQAVPQKQKQGEISITKPTAKGEPARSPECMTAKFIK  
 PPSVPLGLPLICQGLQSIPVRVSLRSPGGTSEKTKSVYSQTVETALVPCDACTSVQGSLEWVGKVVISLC  
 QSQNLPSLGGQFQKLVKDSLGLKPLPAATVGHWAEEQSKDLTRLNKHVGLTQLVGPLRAQLEDAEQKD  
 GLRKQVSKLEQALQQEQQRQRQTEEAERTLAKCEHDRHQLLTETCDLTKVAVLEGDLLKQQKSIQAME  
 AKAQQLEEEGERRAAAERQVQLEEQVQLLAGRLDGASQQIRWASTELDKERAVDSMVRHQESLQAKQR  
 TLLQQLDCLDQEREELRSLDEAEQRSELEEQQLQSLQSDREQECCQLQAQQELLQSLQEQKQDLEQVTT  
 DLQLTISELRQQLLEELKERERLLVAFPDHLHQPEEAQIQSSSNVTQDMERQVQANAIQVLEENKRLQS  
 MLTKIREVAQQGGLKMPVQQLWSPYKGIQGATPPAQASFSGLTGRRQSPGSRSTSSTGRTHPGGLRT  
 SPSRQPGGLPSKFSLDGSGHSASCTQNPIRALARLRRKLSPNRQAGSTYQPQERPT

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_177616

**ORF Size:** 1848 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\\_177616.3](#), [NP\\_808284.2](#)

**RefSeq Size:** 5153 bp

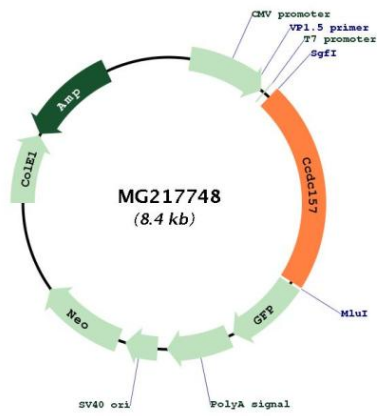
**RefSeq ORF:** 1851 bp

**Locus ID:** 216516

**UniProt ID:** [Q5SPX1](#)

Cytogenetics: 11 A1

Product images:



Circular map for MG217748