

## Product datasheet for **MG209302**

### **BC057552 (BC057552) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BC057552 (BC057552) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BC057552
Synonyms:	6720484B16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209302 representing BC057552  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGCCAGCTCGAAATCGGAGCGGAACAGCGGGCCGGGAGCGCCGGCGGAGGCCCTGGGGGACCG  
 GGGGAAGCGGGCGGTGGGGCGGCGCGGAACACGTTCTCAAGCAGCTGGAGCGAGTCAAGATCAGTGG  
 GCAGCTCTCACCTCGTCTTTCCGGAAGCTGCCCCAGGGTCTGCGTGTCCCTCAAGAACATCGTAGAT  
 GAGGATTTTCTATGCAGGCCATATCTTCTGGGATTTTCCAAGTGTGGCCGCTATGTCCTCTCTACA  
 CCAGCAGCAGTGGGGATGACGACTTCTCTTCTACATATACCTCTACTGGTGGGAGTTCAACGTCCA  
 CAGCAAGCTCAAGCTGGTCCGCGCAGGTGCGGCTTCCAGGACGAGGAGATCTACAGTACCTGTACCTG  
 ACTGTGTGTGAGTGGCTAGCGACGCTTCCAAGGTCATCGTGTGGTTTCAACACCCGCTCGGCCAACG  
 GGATGCTCATGAACATGATGATGATGAGCGATGAGAACCATCGTGACATCTACATCAGCACTGTGGCTGT  
 GCCACCTCGGGCCGTTGTGCTGCCTGCCAGGATGCCAGTCGTGCCACCCAGGGGACCCAAGCGCACAG  
 TGCTGCGGCATGGCTTCATGCTGCACACCAAATACCAGGTGGTGTACCCCTTCCCACCTTCCAACCCG  
 CCTTCAACTCAAGAAGGATCAGGTGGTGTGCTCAACACCAGCTACTCCCTGGTGGCCTGCGCTGTCTC  
 TGTCCACTCAGCAGGTGACAGCAGTTTCTGCCAAATCCTGTATGACCACACAGCTTTGCCCCAGCCCCA  
 CCCAGTTCTCCAGGACCTTGAGGCCCTGAGGCAGCCCCAGCCTTCCCAGTCTTGGTGTGAGGTGGTCC  
 CAGCCCAGCCCTCGGAGCCCTGAGCCCTCACCAGCCATTGCCAAGGCCAAGGAGTTTGTAGCTGACAT  
 CTTCCGCAAGGCTAAAGAGGCCAAGGGTAGTCCCTTGGAGGAACTCGGCTGCCCTTAGCTTGGGGCC  
 TCAAGCAGCCGCTGCCGCCATCTTTAGAGCCGAAGCCCAAGTGGGAAGTGGTACCCAGGGACAGCC  
 CTCTGTGCGAGAGACCACTGCCCTGAGCCTGGCTACATCAATTACACCAAGTTGCACTATGTTGCA  
 GTCTGGGAAGGACAGAGCCTGAGGATGAGTTTGGAGGATGACAAGATCTCCCTGCCTTTTGTGGTGACT  
 GATCTCCGTGGCCGCAACTTACGGCCATGCGAGAGCGGACAGACATGCAGGGCCAGTACCTGACAGTGG  
 AGCAGCTTACCCTGGACTTCAGATATGCATCAATGAGGTGATCCGCCATGATGCCACTTGGGGTACCA  
 GTTCTGCTCTTTCAGTGACTATGACATAGTCATCTTGGAGGTCTGCCAGAAACCAACAGGTCCTGATC  
 AACATTGGCCTGTGCTCTTGGCCTTCCAGCTCCCACTGAAGAGGGCCAGCTTCGACCCAAGACCTATC  
 ACACCAGTCTCAAGGTGGCCTGGGACCTCAACACAGGCATCTTTGAGACAGTCAGCGTGGGTGATCTAAC  
 TGAGGTCAAAGGACAGACCAGTGGCAGTGTCTGGAGCTCTACCGAAAGAGCTGTGTGGACATGGTCATG  
 AAATGGCTGGTGCAGAGAGCAGTGGCCGCTATGTGAACAGGATGACAAACGAGGCACTGCACAAAGGGT  
 GCTCACTGAAGGTTCTGGCAGACAGTGAAGCGGTACTTGGATTGTGCTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG209302 representing BC057552  
 Red=Cloning site Green=Tags(s)

MAPSSKSERNSGAGSAGGGPGGTGGKRAVGRRRREHVLKQLERVKISGQLSPRLFRLPFRVCSLKNIVD  
 EDFLYAGHIFLGFSGCRYVLSYSSSGDDDFSFYIYHLYWWEFNVHSLKLVQRVLFQDEEIIYSDLYL  
 TVCEWPSDASKVIVFGFNTRSANGMLMNMMSDENHRDIYISTVAVPPRGRCAACQDASRAHPGDP  
 CLRHGFMLHTKYQVYVFPFTFQPAFLKQDQVLLNTSYSLVACAVSVHSAGDSSFCQILYDHTALPPAP  
 PSSPGPWSPEAAPFPSLGVVPAQPSGAPEPSPAIAKAKEFVADIFRRAKEAKGSPLEETRLPSSLGP  
 SSSRCRPSLEPQAPSGEVVPRDSPAAETTAPEPGYINYLKHYVLSQSGEGTEPEDEFEDDKISL  
 DLRGRNLRPMRERTDMQGYLTVEQLTDFEYVINEVIRHDATWGHQFCSFSDYDILEVCPETNQVLI  
 NIGLLLLAFPAPTEEGQLRPKYHTSLKVAWDLNTGIFETVSVGDLTEVKGQTSGSVWSSYRKSCVDMVM  
 KWLVPESGRYVNRMTNEALHKGC SLKVLADSERYTWIVL

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** BC057552

**ORF Size:** 1802 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:** [BC057552](#), [AAH57552](#)

**RefSeq Size:** 2217 bp

**RefSeq ORF:** 1802 bp

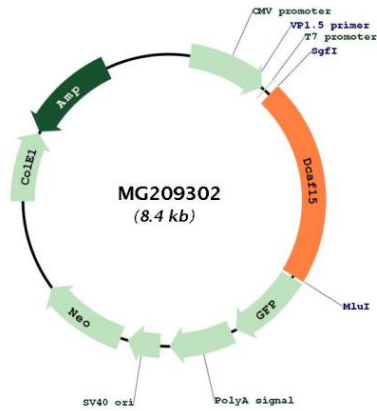
**Locus ID:** 212123

**Cytogenetics:** 8 C2

**Gene Summary:**

May be involved in ubiquitination and degradation through a DBB1-CUL4 E3 protein-ubiquitin ligase.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG209302