

## Product datasheet for **MG207604**

### **C87414 (BC085232) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	C87414 (BC085232) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	C87414
Synonyms:	MGC60750
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207604 representing BC085232  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGGTCAGACCCACCCACACACTCTGCTGACACATGAAGCTTTGATCATGTCCTCTCTGGAGG  
 AGTTGCCCTACTGTGGTCTTCCCAGCACTATTCAAAGAGGCCTTTGCTGGCAGACACACCAATCTCCTAAA  
 GGCAATGGTGGCAGCCTGGCCTTTCCCTGTCTCCCTGTGGGGCCATTGATGAAGAAGCCTAACCTAGAA  
 ACCTTGCAAGCCCTGCTAGATGGAATAGACATGCGACTGACAAGAGAGTTTCACCCAGGAGGGCAAAC  
 TTCAGGTTCTTGACATGAGAAATATGTACCATGCCTTCTGGAACATACGGGCTGATGCAAAATGACAGTGA  
 CTGTAATCAAAGACATTGGATGAAAAGCAGCTAGTGAAGGTCTTCCGAGATATGCACGGAGGCAGCGT  
 CTGAAGGTCATAGTCAACCTGTCAATCAGTTCCCACTTCAATAAATCAAAGGCATATTTCTGAATTGGG  
 CCAAGCAGAGAATAGGATCCCTATATTTCTGCTGTATAAAGATGAGGATCTGGGACCCACCAGACCAAGT  
 TATCAGAGACATCTTAAATGTTTTGATCCAGAGCACATCACAGAATTAGAACTGAATACTGACTGGACT  
 CTGTTACAGCTTGACATTTTGCTTCTACTTTGGGCACATGAAAAATCTTCAAAAAGTCTTCTCTGGCAC  
 CACTCCACAAGAATACATCCCCTATTATCAATATAACAAATGCCACAGAAGCCAAGTGTGTTCAATAAAT  
 TATTTCTCAGTTTTCCAATTCAACTGTCTCCAGCATATCTTCAATGAAACACGTCCATTTCTAAGAGAC  
 TACATGAATCAGGTCCTAGGGTGCCTGATGACACCCTTGAGACCCTCTCCATCACTCAATGCCTAATTT  
 CACAGAGAGACTTTGATTTATTTCTGCTCCAAAACCTCTTAAATTAACAACTCTGGAATAAGAGG  
 GATGATCTTATATGCTTTGGATCTTATGCCTCTGAGAGTTCTCCTAGAAAAAGTAGCAGACACTCTTGAG  
 ATTCTGGATTTTCAGTGGTGTAGGATGAAGGACTCCAGATCAATGCCCTCTACCTGCCCTCAGTCAAT  
 GTACTCAGCTCAACCAGATCAACTTCTACAACAATGACTTCTCCATGTGCACCCTGAAGGCCCTTTTCCA  
 GCACACAGCCAACTGGAGCAAGATGAATGTGGAACAATACCCTGCCCTCTGCAGTGCTATAGTGAGTTG  
 GGTGATGCCTCTGTAGAAAGATTTGTCCAATTTGTGAGGAGCTCATGTATACTCTCAGAGCTATAAGGC  
 AGCCCAAGAGCATCTCTTTGCTACAGATAACTGTCAAAAATGTGGTAAGCCCTGTGCTATGACCAGGG  
 CCAATACTTTGTTCTTGTCTTTCAG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207604 representing BC085232  
 Red=Cloning site Green=Tags(s)

MSGQTPPTHLLTHEALIMSSLEELPTVVFPAKFKEAFAGRHTNLLKAMVAAWPFPLPVGPLMKKPNLE  
 TLQALLDGDIMRLTREFHPRRAKLQVLDNRNMYHAFWNIRADANDSDCKSKLDEKQLVKVLPYARRQR  
 LKVIVNLSISSHFNKSAYFLNWAQQRIGSLYFCCIKMRIWPPDQVIRDFINVFDEHITELNLDWT  
 LLQLAHFASYFGHMKNLQKVFLAPLHKNTSPIINITNATEAKCVHKIISQFSQFNCLQHIFMKHVHFLRD  
 YMNQVLGCLMPTLETLSITQCLISQRDFDLFSCSQNLFKLEIRGMILYALDMLPLRVLLEKVDLTLE  
 ILDFQWCRMKDSQINALLPALSQCTQLNQINFYNNDFSMCTLKALFQHTANWSKMNVEQYPAPLQCYSEL  
 GHASVERFVQLCQELMYTLRAIRQPKSISFATDNCQKCGKPCVYDQGPILCSCFQ

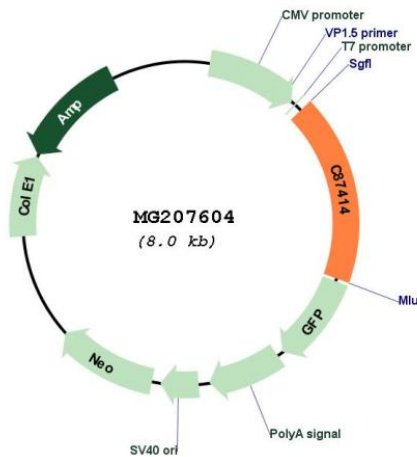
**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:


**Plasmid Map:**

**ACCN:** BC085232

**ORF Size:** 1427 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:** [BC085232](#), [AAH85232](#)

**RefSeq Size:** 2670 bp

**RefSeq ORF:** 1427 bp

**Locus ID:** 381654

**Cytogenetics:** 5 E2