

## Product datasheet for **MG207843**

### **Gabrr2 (NM\_008076) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabrr2 (NM_008076) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gabrr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207843 representing NM\_008076  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGTTAAGCCAGGGGCATCTTGCCCATTAAGTCCCTGCACAGCTGCCTGTTGCATCATAGACATGT  
 GCAGAATGCCTTATTTGATGAGACTCGCTTTGGTCTTGTGTTTGCCTGATGGCTCTCGTGGAGAGCAGAAA  
 GCCCAGGAGGAAGAGATGGACAGGGCTTCTGAAACATCCAAGCCAAGCCATTTGTATAAAAAGAACCTT  
 GATGTGACCAAGATGCGGCCAGGAAAGCCTCGGCCTCTGCTCAGGGTAGAGGACCACGACTTCACCATGA  
 GGCCAGCCTTTGGAGGCCCGCCATCCCTGTAGGTGTGGACGTGCAGGTGGAGAGTCTGGACAGCATCTC  
 CGAGGTGGACATGGACTTCACCATGACCCTATACCTGAGGCATTACTGGAGGGACGAGAGGCTGGCCTTC  
 CCCAGCAGCAGCAACAAGAGCATGACCTTTGATGGCCGGCTGGTGAAGAAGATCTGGGTTCTGATGTCT  
 TCTTTGTGCACTCAAACGCTCCTTCATCCACGACACCACCACCAACATCATGCTGCGAGTGTCCC  
 CGATGGCCATGTGCTATACAGCATGAGGATTACGGTCACTGCCATGTGCAACATGGACTTCAGCCACTTT  
 CCCTGGATCCAGACCTGCTCTTTGGAGCTGGAGAGCTATGCGTACACAGATGAAGATCTGATGCTGT  
 ACTGGAAGAACGGGGACGAGTCCCTGAAGACAGACGAGAAGATCTCCTTGTCCCAGTTTCTGATCCAGAA  
 GTTTCACACGACTTCAGACTGGCCTTCTACAGCAGCACTGGCTGGTACAACCGTCTGTACATCAACTTC  
 ACTCTGCGTCGTACATCTTCTTCTTCTGCTCCAAACCTACTTCCCTGCCACCCTCATGGTCATGCTGT  
 CCTGGGTGCTCTTCTGGATCGACCACAGAGCCGTGCCCGCAGAGTCTCACTGGGCATCATGACGGTGT  
 GACCATGTGACCATCATCACGGGTGTGAACGCCTCCATGCCCGAGTGTCTACATCCGGGCCGTGGAC  
 ATCTACCTCTGGTGCAGCTTTGTGTTCTGCTTCTCCTCTCCGTGCTGGAGTACGAGCTGTCAACTACCTGA  
 CCACACTGCAGGAGCAGAAGGAACGGAAGTCCGGGAGAAGCTTCATGCATGTGTGGAATGCTTCATTC  
 AAGGACCATGATGCTGGATGGAAGCTACAGTGAATCTGAGGCCAACAGCCTGGCTGGCTACCCAAGAAGC  
 CACATTCTGCCAGAAGAAGAAAGGCCAGATAACATCGTGGTTCATTTGGCCCTCAACAGTGAATTGACCT  
 CCTCCAGAAAGAAAGCCTTCTGAAAGGCCAAATGGGTCTCTACATCTTCCAGAACCCATGCCATTGA  
 CAAATACTCCAGTTGATATTTCTGCCTTCTACATAGTTTTCAACCTAATTTATTGGTCAGTGTTTCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207843 representing NM\_008076  
 Red=Cloning site Green=Tags(s)

MVKPGGILPIKSPCTAACCIIDMCRMPYLMRLALVLFCLMALVESRKRPRRKRWTGELLETSKPSHLYKKNL  
 DVTKMRPGKPRLLRVEDHDFMRPAFGGPAIPVGVQVQVESLDSISEVDMDFMTLYLRHYWRDERLAF  
 PSSSNKSMTFDGRLVKKIWPVDFVHVKRSFIHDTTNDIMLRVFPDGHVLYSMRITVTAMCNMDFSHF  
 PLDSQTSLELESYAYTDEDLMLYWKNGDESLKTDKISLSQFLIQKFHTTSRLAFYSSTGWYNRLYINF  
 TLRRHIFFFLLQTYFPATLMVMSWVSFVIDHRAVVPARVSLGIMTVLTMSTIITGVNASMPRVSYIRAVD  
 IYLVWSFVFLSVLEYAAVNYLTTLQEQRKRFREKLPCCMGMLHSRTMMLDGSYSESEANSLAGYPRS  
 HILPEEERPDNIIVHLALNSELSSRKKGLLKGQMGLYIFQNTHAIDKYSRLIFPAFYIVFNLIYWSVFS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI



**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\\_008076.3](#), [NP\\_032102.2](#)

**RefSeq Size:** 1835 bp

**RefSeq ORF:** 1473 bp

**Locus ID:** 14409

**UniProt ID:** [P56476](#)

**Cytogenetics:** 4 14.64 cM

**Gene Summary:** GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel. Rho-2 GABA receptor could play a role in retinal neurotransmission (By similarity). [UniProtKB/Swiss-Prot Function]