

## Product datasheet for **RN202912**

### **Gabrq (NM\_031733) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabrq (NM_031733) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gabrq
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN202912 representing NM\_031733  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCTGCGAGCCGCTGAGCTCCTGCTCATTAGGACTTGGCTGGCAGAGAGTAACGACCCAGTCCCA  
CCCCAAAATTCACCTTCGAGCTCCTCCAGCATGCCTGAAGTCATCCTGGATCTCTTCAACTGCAAAAA  
TTGTGCAATGAAGCTGTTGTTCAAAGATTTTGGACAGGGTCCCTGTCAACATATGATGTCCGACTGAGA  
CCAAATTTTGGAGGAGCACCTGTGCCTGTGTCAATATCTATCTATGTCTCCAGTATTGAACAGATCTCAG  
AAATAACATGGACTATACCATCACAATGTTTCTGCATCAGACTTGAAGGACACGCGCTTAGCTTACTA  
TGAGACCAACCTGAACCTGACTCTGGACTATCGGATGCATGAGAAGCTCTGGTCCCTGACTGCTACTTT  
GTGAATAGCAAAGATGCCTTTGTGCATGATGTAAGTCCGAGAGATCGTGTATTTCAACTCACCCAGATG  
GGACAGTGAATATGGCATCCGACTTACCACAACAGCAGCCTGTTCCCTGGATCTGCAAAAATTCCTAT  
GGCAAAACAATCTGCAAGCTGGAGGTGGAGAGCTATGGCTACACTGTGCAAGACATTGTGTTATCCTGG  
GAAGATGATAATGCCATCCACATTACTGACGAGCTACACATCCCTCAGTACACCTACCTGGGGAGGACAA  
TTACCAGCAAGGAGGTGACTTCTACACAGGCTCCTACATGCGCCTGATAGTGAAGTTCCAGGTTACAGG  
GGAAGTCCGAGTTACCTTGTGCAGGTCTATTGGCCACAGTCCCTCACCACCTTCTCTCTGGATATCA  
TTTTGGATGAACTATGGTTCCTCTGCAGCCAGGGTAACTATTGGACTAACTTCAATCCTTGTCTGACTA  
CCATCGACTCACATATGCGGGATAAACTCCCCATATTTCTGTATCAAAGCCATTGACATCTACATCCT  
TGTGTGCCTGTTCTTTCGTTTTCTGTCCCTGTGGAGTATGTCTACATCAACTACCTTTTCTTACGCCAA  
GCACCTCGGCGTAATCACAGGAGATGCAGGAAACCCAGGAGAGTGTGTTGCCGATACCGCTACCAAGAAG  
TGGTGGTAGCACATGTGCAGGATGGCCTGATAAATGTGGAAGACAGAGTGAAGACAGAGCTGGTCCCCT  
TCCTGACAGCCCCATGCAGGCTCATCTGGCAAGCCAGGAAAGTCTAGGATCTTTGTTGTTCACTTCAGAG  
GAGGCTCAACTGGCTACTTCAGAAAGCCTCAGCCTACTCTCGTCTGCCTCAAGCCAGGTCCAATTGGCCA  
CTGGAGAAAGCCTGGGTGATCTGCCCTCCACCTCTGAGCAAACTGCCTGACTATACCATTCACTTTCA  
TGGTTTTCTCACTAATGACAGTATTCTCCCATCAAAAATCCGCAGCCATTCTGATGCCCTGGGTGATGAA  
GACTCCGAAGAAAGCCTAAGCTCTGAGGAGAGCTATGGCCATGGAGGCAGCCCCACTGGAAGGCTCAAGC  
TCCAGATTAGCCAGAGGTGTGTGCAAGAAGCAAGTTGGGACATTGATAAGATTGAGAGCTTACAGGATGA  
CATCAGTATCAAGAGCAGCTGGCTTGGCCTTGTGAACAACGCAAGGGGATGCTGACAGTATCTGGAGC  
CTTACTGATGAGGAGCTCATGGCCTGTGACCAAGAGAAGGACAGTAGCAGTAGCTCAGAGTCTGAGGAGA  
GTTGCTCCCCAAGCCCTGGGTGCTCCTTCAATGAAGGGTTCTCTTTTACGCTCTTTAACCCCTAACCGGGT  
CCCTAAGGTTGACAGGTGGTCCCGTTTCTCTTCCCTCTTTCTTTGGGTTGTTCAATGTGGTTTACTGG  
TTATACCATATGTAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031733

**Insert Size:** 1908 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_031733.1](#), [NP\\_113921.1](#)

**RefSeq Size:** 1908 bp

**RefSeq ORF:** 1908 bp

**Locus ID:** 65187

**Cytogenetics:** Xq37

**Gene Summary:** theta subunit of GABAA receptor, which modulates synaptic transmission in the CNS [RGD, Feb 2006]