

## Product datasheet for **MC219996**

### **Gabrq (NM\_020488) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabrq (NM_020488) Mouse 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:** >MC219996 representing NM\_020488  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCATCCGAGGTATGCTGCGAGCCGCTGCGCTCCTGTGCTCATTAGGACTTGGCTGGCAGAGAGTA  
 ACGGCCCCAGTCCACCCGAAATTCACCTTCGAGCTCTCCTCCAGCACGCTGAAGTCATTCTGGATCT  
 CTTCAACTGCAAAAAGTGTGCAAAATGAAGCTGTGGTTCAAAGATTTTGGACAGGGTGTGTCAACATAT  
 GATGTCCGACTTAGACCAAATTTTGGAGGAGCTCCTGTGCCTGTGTGAGTATCTATCTATGTGTCCAGTA  
 TTGAACAGATCTCAGAAATAAATATGGACTATAACAATCACAATGTTTTTGCATCAGACCTGGAAGGACAC  
 ACGCTTAGCTTACTATGAAACCAACCTAAACCTGACCCTGGATTATCGGATGCATGAGAAGCTCTGGGT  
 CCTGACTGCTACTTTGTGAATAGCAAAGATGCCTTTGTGCATGATGTAAGTGTGGAGAATCGTGTATTT  
 AACTTCACCCAGATGGGACAGTGCATATGGCATCCGACTTACCACAACAGCAGCCTGTTCCCTGGATCT  
 GCAAAAATTCCTATGGACAAACAATCCTGCAAGCTGGAGGTGGAGAGCTATGGTACACATGTCGAAGAC  
 ATTGTGTTATCCTGGGAAGATGATAATGCCATCCACATTACTGATGGGCTGCATATCCCTCAGTACACGT  
 ACCTGGGAGAAACAATTACCAGCAAGGAAGTACTTCTACACAGGCTCCTACATGCGCCTGATAGTGAA  
 GTTCCAGGTTCCAGAGGAAGTCCGAGTTACCTTGTGCAGGTCTATTGGCCCACGGTCTCCACCACCATT  
 CTCTCCTGGATATCATTTTGGATGAACTATGATTCCTCTGCAGCCAGGGTAACTATTGGACTAACTTCGA  
 TCCTTGTCTGACTACCATCGACTCACATATGCGGGATAAACTCCCCATATTTCTGTATCAAAGCTAT  
 TGACATCTACATCCTTGTATGCCTATTCTCGTTTTCTGTCAGTGTGGAGTATGTCTACATCAACTAC  
 CTTTTCTCAGCCAAGTACCTCGGCCTAATCACAGAAGATGCAGGAAACCAGGAGAGTTGTTGCCCGAT  
 ACCGCTACCAAGAAGTGGTGGTAGCAAAATGTGCAGGATGGCCTGATTAATGTGGAAGACAGAGTAGAAGA  
 CAGAGCTGGTCCCCTTCTGACAGCCCCATGCAGGCTCATCTGGCAAGCCAGGAAAGTCTAGGATCCTTG  
 GTTTCACATCAGAGCAGGCCAGCTGGCTACCTCAGAAAGTCTCAGTCTACTCTTTCTGCCTCAAGCC  
 AGACTCAATTGGCCACTGGAGAAAGCCTGAGTGTCTGCCTCCACCTCTGAGCAAAACAGTGCCTGAGTG  
 TACCATTCACTTTCATGGCTTTCTTACTAATGACAGTATTATCCCCATCAAATCCACAGCCGATCTGAT  
 GCCTGTGATGATGAAGACTCCGAAGAAAGCCTAAGCTCTGAGGAGAGCCATGGCCATGGAAGCAGCCACA  
 CTGGAAGGCTCAAGCTCCAGATTAGCCAGAGGTGTGTGCAAGAAGCAAGTTGGGACCTTGATAAAATTGA  
 GATCTTACAGGATGACATCAGTATCACGAGCAGCTGGCTTGGCCTTGATGAACAATGCAAGGGGATGCT  
 GACAGTATCTGGAGCCTTACTGATGAGGAGCTCATGGCCTGTGACCAAGAGAAGGACAGTAGCTCAGAGT  
 CTGAGGAGAATTGCTCCCAAGCCCTGGGTGCTCCTTCAATGAAGGGTTCTCTTTTCAGCTCTTTAAACC  
 TAACCGGGTCCCCAAGGTTGATAGATGGTCCCCTTCTCTTTCTCTTTCTTTGGGCTGTTCAATGTG  
 GTTACTGGTTATACCATGTCTAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_020488

**Insert Size:** 1917 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\\_020488.2](#), [NP\\_065234.1](#)

**RefSeq Size:** 2258 bp

**RefSeq ORF:** 1917 bp

**Locus ID:** 57249

**UniProt ID:** [Q9JLF1](#)

**Cytogenetics:** X A7.3

**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.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (b) has a distinct C-terminus and is longer than isoform a.  
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.