

## Product datasheet for **RN204313**

### **Gabrb1 (NM\_012956) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabrb1 (NM_012956) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gabrb1
Synonyms:	GARB1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN204313 representing NM\_012956  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGGACAGTACAAAATCGAGAGAGTTTGGGGCTTCTCTTTTTCTGTGATGGTTGCCATGGTTTGT  
 GTGCACACAGCTCCAATGAACCCAGCAACATGTCATACGTGAAAGAGACAGTGGACCGACTGCTCAAAGG  
 ATATGACATTCGCTTGCAGCCAGACTTTGGAGGGCCCCGGTGGACGTCGGGATGCGGATCGATGTCGCC  
 AGCATAGACATGGTCTCGGAAGTGAATATGGATTATACTCACCATGTATTTCCAGCAGTCTTGAAGG  
 ACAAGAGACTTTCATATTCTGGAATCCCATTAAATCTGACCCCTTGACAACAGGGTAGCTGACCAACTCTG  
 GGTACCAGACACCTACTTCTCAATGACAAGAAGTCATTTGTGCATGGGGTACAGTGAACAAACCGAATG  
 ATCAGGCTTCATCCTGATGGAAGTGTCTCTATGGACTACGGATCACAACCACTGCAGTTGCATGATGG  
 ATCTCCGAAGATACCCTCTGGATGAGCAAACTGCACCCTGGAGATCGAAAGTTATGGCTATACCACCGA  
 TGACATCGAATTTACTGGAATGGAGGAGAGGGAGCAGTAACGGGGTCAATAAAATTGAGCTTCCCAA  
 TTTTCAATTGTCGACTACAAGATGGTGTCCAAGAAGGTGGAATTCACAACAGGGGCATATCCACGACTAT  
 CACTAAGTTTTCGTCTAAAGAGAAAACATCGGTTACTTCAATTTGACAGACTACATGCCCTCCACACTGAT  
 TACAATTTCTGCTGGGTGTCGTTTTGGATCAACTATGATGCATCTGCAGCCAGAGTCCGCTTAGGAATC  
 ACCACGGTGTGACCATGACAACCATCAGTACTCACCTCAGGGAGACTCTGCCAAAGATCCCTTACGTCA  
 AAGCGATTGATATCTATCTCATGGGTTGTTTTGTGTTTCGTTCTCTGGCTCTACTGGAGTACGCCTTTGT  
 AAATTACATTTTCTCGAAAAGGCCCTCAGAAAAAGGAGCGAGCAACAAGACCAGAGTGCCAATGAA  
 AAGAACAACCTGGAGATGAACAAGTCCAGGTTGATGCCACGGCAATATTCTCCTCAGCACCTGGAAA  
 TCAGGAATGAGACCAGTGGCTCCGAGGTGCTCACGGGTGTAAGTGACCCCAAGGCCACTATGTAATCATA  
 CGACAGCGCCAGCATCCAGTACCGCAAACCACTGAGCAGCCGTGAGGGCTTCGGACGAGGGCTGGACAGG  
 CACGGGGTCCCCGCAAGGGTCCGATCCGACAGCTGCCTCTCAGCTCAAAGTGAAGATCCCTGACTTGA  
 CTGACGTGAACCTCATAGACAAGTGGTCCGAATGTTCTTCCCCATCACATTTTCCCTTTTAAATGTCGT  
 TTATTGGCTTTACTATGTACACTAA

**ACCGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_012956

**Insert Size:** 1425 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\\_012956.1](#), [NP\\_037088.1](#)

RefSeq Size: 1944 bp

RefSeq ORF: 1425 bp

Locus ID: 25450

UniProt ID: [P15431](#)

Cytogenetics: 14p11

Gene Summary: subunit of GABAA receptors, which induce inhibitory postsynaptic currents; may regulate synaptic transmission in the prefrontal cortex [RGD, Feb 2006]