

## Product datasheet for **RN204907**

### **Gabra2 (NM\_001135779) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabra2 (NM_001135779) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gabra2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN204907 representing NM\_001135779  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGACAAAATTGAGCACTTGAACGTATGGTTCCGCTGCTTGTTCCTGGTGTGGAACCCAGCCA  
 GGTTGGTCTGGCTAACATCCAAGAAGATGAGGCTAAAAATAATACACCATCTTTACAAGAATTCTAGA  
 CAGACTTCTGGATGGTTACGATAATCGTCTTAGACCAGGACTGGGAGACAGCATTACTGAAGTCTCCACC  
 AACATCTATGTGACCAGTTTTGGCCCTGTCTCAGATACAGATATGGAATATACAATAGATGTTTTCTTTC  
 GACAAAAATGGAAAGACGAGCGGTTAAAAATTAAGGTCCCATGAATATCCTTCGACTTAACAACCTAAT  
 GGCTAGCAAAATCTGGACTCCTGACACCTTCTTTCACAACGGGAAAAAGTCAGTGGCTCACAAATGACA  
 ATGCCAAACAAGCTGCTTCGAATCCAGGATGACGGAACATTGCTGTACCCATGAGGCTTACAGTCCAAG  
 CCGAATGTCCAATGCACTTGGAGGACTTCCAATGGACGCTCACTCATGCCACTGAAATTTGGAAGCTA  
 TGCTTACACGACCTCGGAAGTCACTTATATTTGGACTTACAATGCTTCTGACTCTGTTTCAGTTGCTCCT  
 GATGGCTCTAGGTTAAATCAGTATGATTTGCTGGGCCAGTCAATTGGGAAGGAGACAATTAATCAAGCA  
 CAGGTGAATACACGGTAATGACAGCTCATTTCCTTGAAGGAAAAATTGGGTATTTGTGATTAGAGC  
 CTATCTGCCTTGATCATGACTGTCATTCTCTCCAAGTGTCTTCTGGCTGAACAGAGAATCGGTGCCA  
 GCGAGAAGTGTGTTGGAGTAACAACCTGTTTGGACAATGACCACATTAAGCATCAGTGTCTGAAATCCC  
 TTCCCAAAGTGGCCTATGCCACTGCCATGGACTGGTTTATCGCTGTTTGTACCGGTTTGTGTTCTCTGC  
 CTTAATTGAATTTGCAACTGTTAATTACTTCACGAAAAGAGGATGGGCTTGGGATGGAAGAGTGTAGTA  
 AATGACAAGCCTAAAAAGAGAAAAGGCTCCGTCATGATACAGAACAACGCTATGCTGTAGCCGTTGCCA  
 ACTACGCCCGAATCTTTCCAAAGATCCTGCTCTCTACCATTCCAAAAGTCAACTACTCCAGAAC  
 AAACAAGAAGCCAGAGAACAAGCCAGCCGAAAGCAAGAAAACCTTCAACAGTGTACGAAAAATCGACAGA  
 ATGTCTAGAATAGTGTCCCGTTCTGTTTGGTACTTTTAATTTAGTTTACTGGGCTACGATTTAAACC  
 GGGAGCCTGTATTAGGGTTAGTCCT**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3395\\_a03.zip](https://cdn.origene.com/chromatograms/ja3395_a03.zip)

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001135779

**Insert Size:** 1359 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_001135779.1](#), [NP\\_001129251.1](#)

**RefSeq Size:** 2223 bp

**RefSeq ORF:** 1359 bp

**Locus ID:** 289606

**Cytogenetics:** 14p11

**Gene Summary:** may act as subunits in GABA-A receptors with benzodiazepine II binding characteristics [RGD, Feb 2006]