

## Product datasheet for **RN211099**

### **Gabra4 (NM\_080587) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabra4 (NM_080587) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gabra4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN211099 representing NM\_080587  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGTTTCTGTCCAGAAGGTACCTGCGATCGTGTGTCTCCGGGTGAGCCTCGCCCTCTGCAGTCC  
TGTGCCTGGCGACTTGTTTAAACGAATCCCAGGACAGAATCAAAGGACGAGAAATTGTGCCCGGAAAA  
TTTTACCCGTATCCTGGACAGTTTGTGGATGGTTATGACAACAGACTGCGTCTGGATTTGGGGTCTCT  
GTTACAGAGGTGAAAAGTATATATGTACCAGCTTTGGACCCGTTTCTGATGTTGAAATGGAATACA  
CAATGGATGTGTTCTTCAGACAGACATGGATTGACAAAAGACTGAAATATGATGGCCCCATTGAAATCCT  
GAGGTTGAACAATATGATGGTACCAAAGTTTGGACCCCTGATACTTTCTCAGGAATGGAAGAAATCT  
GTCTCCATAACATGACAGCTCAAATAAACTTTTGAATTATGAGAAATGGCACTATTTATACACAA  
TGAGACTACCATAAGTGGGAGTGTCCATGAGACTGGTGGATTTTCTATGGACGGTTCATGCCTGCC  
TTTGAAATTTGGGAGTTATGCATATCCCAAGAGTGAGATGATCTACACCTGGACCAAAGGCCCTGAGAAG  
TCAGTGGAGGTACCAAAGGAGTCTCGAGCTTAGTTCAGTATGATCTAATTGGCCAGACTGTATCCAGTG  
AGACTATCAAATCTATTACAGGTGAATACATTGTTATGACCGTGTACTTTACCTCAGACGGAAGATGGG  
CTATTTTATGATTCAGACATATATCCCCTGCATCATGACAGTGCCTTTCTCAAGTTTCTTCTGGATC  
AATAAGGAGTCTGTTCCAGCCAGAACTGTATTTGGAATAACCACAGTCCCTCAGATGACCACCCTAAGCA  
TCAGTGCCTGGCATTCTTTGCCCAAAGTGCCTATGCGACTGCCATGGATTGGTTCATAGCTGTCTGTTT  
TGCTTTTGTATTTTCGGCTCTTATTGAGTTTGTGCTGTCAACTATTTACCAACATTCAAATGCAAAAA  
GCCAAAAAGAAGATATCAAACCTCCTCCAGAAGTTCAGTGCCTCAGTACTGAAGGAAAAACATACAG  
AAACATCTCTTCAGAATACACATGCTAATTTGAACATGAGGAAAAGAACAATGCATTAGTCCACTCAGA  
ATCAGATGTCAACAGCAGAACTGAGGTGGGGAACCAATCCAGCAAGACCACCGCTGCCAGGAGTCTTCT  
GAAACCACTCCTAAGGCCCACTTGGCTTCCAGTCCAAATCCATTACAGAGGCAAAATGCAGCTGAGACTA  
TCTCTGCAGCAGCAAGAGGTCTTTCGTCTGCCGCATCGCCCTCTCCTCACGGGACACTGCAGCCAGCTCC  
TTTGCGGTGGCGTCTGCTCGCCCGGCATTTGGAGCTAGACTTGGGCGCATTAAAGACAACAGTTAATACG  
ACAGGGGTGCCTGGGAATGTGTGAGCCACACCTCCTCCTCTGCTCCACCACCTTCTGGATCTGGCACA  
GTAATAAGACAAATATGCTCGTATTCTTTCCAGTACATTTGGGGCATTAAACATGGTCTACTGGGT  
GGTTTATTTATCTAAGGACACCATGGAGAAATCAGAAAGTCTAATG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3778\\_a05.zip](https://cdn.origene.com/chromatograms/ja3778_a05.zip)

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_080587

**Insert Size:** 1659 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\\_080587.3](#), [NP\\_542154.3](#)

**RefSeq Size:** 1843 bp

**RefSeq ORF:** 1659 bp

**Locus ID:** 140675

**UniProt ID:** [P28471](#)

**Cytogenetics:** 14p11

**Gene Summary:** alpha 4 subunit of the GABA-A receptor which binds gamma-aminobutyric acid; involved in mood and anxiety [RGD, Feb 2006]