

Product datasheet for **RN202094**

Gabrg2 (NM_183327) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrg2 (NM_183327) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gabrg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN202094 representing NM_183327
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTCGCCAAATACATGGAGCACTGGAAGCACAGTCTACTCTCTGTATTTTCACAGAAAATGACGC
 TGTGGATTCTGCTCCTGCTATCGCTCTACCCAGGCTTCACTAGCCAAAAGTCAGATGATGACTATGAAGA
 TTATGCTTCTAATAAAACATGGGTGTTGACTCCAAAAGTCCCGAGGGTATGTCCTGTCATCTTAAAC
 AACCTTCTGGAAGGTACGACAACAACTTCGGCCGACATAGGAGTGAAACCAACATTAATTCATACAG
 ATATGTACGTGAACAGCATTGGTCCAGTGAATGCTATCAATATGGAATACACAATTGATATTTTTTTGC
 CCAAACCTGGTATGACAGACGTTTGAATTTAACAGTACCATAAAGTTCTCCGATTGAATAGCAATATG
 GTGGGGAAAATCTGGATTCCAGACACTTCTTCAGGAAGTCCAAAAAGCGGATGCTCACTGGATCAGCA
 CTCCCAACAGGATGCTGAGAATTTGGAATGACGGTCGAGTCTCTACACCTTAAGGCTAACAAATTGATGC
 CGAGTGCCAGTTGCAATTACACAACCTCCCAATGGATGAACACTCCTGCCCTGGAGTTCTCCAGTTAT
 GGTATACCTCGTGAAGAAATGTTTATCAATGGAAGCGCAGTTCTGTTGAAGTGGGAGACACAAGGTCAT
 GGAGGCTGTATCAGTTTTCTTTGTTGGATTGAGGAATACCCTGAAGTGTGAAGACAACCTTCTGGTGA
 CTATGTGGTTATGTCCTGTACTTTGATCTGAGCAGAAGAATGGGGTACTTTACCATCCAGACCTACATT
 CCCTGCACACTCATTGTGGTTCTGTCTGGGTGTCCTTCTGGATCAATAAGGATGCTGTCCTGCAAGAA
 CATCTTTAGGAATCACGACTGTCTGACGATGACCACTCTCAGCACCATAGCCCGGAAGTCTCTGCCAA
 GGTCTCCTATGTCACAGCAATGGATCTCTTCGTCCTGTTTGCTTCATCTTTGTGTTTTTCAGCTTTGGT
 GAGTATGGTACCCTGCACTATTTTGTGAGCAACCGGAAACCAAGCAAGGATAAAGACAAAAGAAGAAAA
 ACCCTGCCCTACCATTGATATCCGTCAGATCAGCAACGATCCAAATGAACAATGCCACCCACCTTCA
 AGAGAGGGATGAAGAATATGGCTATGAGTGTGGATGGCAAGGACTGTGCCAGTTTCTTTTGTGTTTT
 GAAGACTGCCGAACAGGAGCCTGGAGACACGGGAGGATACACATTGCGATTGCCAAAATGGACTCCTATG
 CTCGGATCTTCTCCCTACCGCCTTCTGCTTGTCAATCTTGTACTGGGTCTCCTATCTTTATCTGTG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_183327
Insert Size: 1401 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 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_183327.1](#), [NP_899156.1](#)

RefSeq Size: 1401 bp

RefSeq ORF: 1401 bp

Locus ID: 29709

UniProt ID: [P18508](#)

Cytogenetics: 10q21

Gene Summary: subunit of GABA receptors, which bind benzodiazepines and act as inhibitory ion channels in the brain [RGD, Feb 2006]