

Product datasheet for **RR202094**

Gabrg2 (NM_183327) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR202094 representing NM_183327
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTCGCCAAATACATGGAGCACTGGAAGCACAGTCTACTCTCTGTATTTTTCACAGAAAATGACGC
 TGTGGATTCTGCTCTGCTATCGCTCTACCCAGGCTTCACTAGCCAAAAGTCAGATGATGACTATGAAGA
 TTATGCTTCTAATAAAACATGGGTGTTGACTCCAAAAGTCCCGAGGGTATGTCCTGTCATCTTAAAC
 AACCTTCTGGAAGGTACGACAACAACTTCGGCCGACATAGGAGTGAACCAACATTAATTCATACAG
 ATATGTACGTGAACAGCATTGGTCCAGTGAATGCATCAATATGGAATACACAATTGATATTTTTTTTGC
 CCAAACCTGGTATGACAGACGTTTGAATTTAACAGTACCATAAAGTCTCCGATTGAATAGCAATATG
 GTGGGGAAAATCTGGATTCCAGACACTTCTTCAGAACTCCAAAAAGCGGATGCTCACTGGATCAGCA
 CTCCCAACAGGATGCTGAGAATTTGAATGACGGTCGAGTCTCTACACCTTAAGGCTAACAAATGATGC
 CGAGTGCCAGTTGCAATTACACAACCTCCCAATGGATGAACACTCCTGCCCTGGAGTTCTCCAGTTAT
 GGTATACCTCGTGAAGAAATGTTTATCAATGGAAGCGCAGTTCTGTTGAAGTGGAGACACAAGGTCAT
 GGAGGCTGTATCAGTTTTCTTTGTTGGATTGAGGAATACCCTGAAGTAGTGAAGACAACCTTCTGGTGA
 CTATGTGGTTATGTCCTGTACTTTGATCTGAGCAGAAGAATGGGGTACTTTACCATCCAGACCTACATT
 CCCTGCACACTCATTGTGGTTCTGTCTGGGTGTCCTTCTGGATCAATAAGGATGCTGTCCCTGCAAGAA
 CATCTTTAGGAATCACGACTGTCTGACGATGACCACTCTCAGCACCATAGCCCGGAAGTCTCTGCCCAA
 GGTCTCCTATGTCACAGCAATGGATCTCTTCGTCCTGTTTGTCTCATCTTTGTGTTTTTCAGCTTTGGT
 GAGTATGGTACCCTGCACTATTTTGTGAGCAACCGGAAACCAAGCAAGGATAAAGACAAAAGAAGAAAA
 ACCCTGCCCTACCATTGATATCCGTCAGATCAGCAACGATCCAAATGAACAATGCCACCCACCTTCA
 AGAGAGGGATGAAGAATATGGCTATGAGTGTGTTGGATGGCAAGGACTGTGCCAGTTTCTTTTGTCTTT
 GAAGACTGCCGAACAGGAGCCTGGAGACACGGGAGGATACACATTGCGATTGCCAAAATGGACTCTATG
 CTCGGATCTTCTCCCTACCGCCTTCTGCTTGTCAATCTTGTACTGGGTCTCCTATCTTTATCTGCT
 CGGATCTTCTCCCTACCGCCTTCTGCTTGTCAATCTTGTACTGGGTCTCCTATCTTTATCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202094 representing NM_183327
 Red=Cloning site Green=Tags(s)

MSSPNTWSTGSTVYSPVFSQKMTLWILLLLSLYPGFTSQKSDDDYEDYASNKTWVLPKVPEGDVTVILN
 NLLLEGYDNKLRPDIGVKPTLIHTDMYVNSIGPVNAINMEYIDIFFAQTWYDRRLKFNSTIKVLRNLSNM
 VGKIWIPTDFFRNSKKADAHWITTPNRMLRIWNGRVL YTLRL TIDAECQLQLHNFPMDEHSCPLEFSSY
 GYPREEIVYQWKRSSVEVDTRSWRL YQF SFVGLRNTTEVVKTTSGDYVVMVSYFDLSRRMGYFTIQTYI
 PCTLIVVLSWVSFWINKDAVPARTSLGITTVL TMTTLSTIARKSLPKVSVVTAMDLFVSVCFIFVFSALV
 EYGLTHYFVSNRKPDKDKKKKNPAPTIDIRPRSATIQMNNATHLQERDEEYGYECLDGKDCASFCCF
 EDCRTGAWRHGRHRIHRIAKMDSYARIFPPTAFCLFNLVYVWSYL YLLGSSSLPPSACSILFTGSPIFI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3199_e08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_183327

ORF Size: 1398 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.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

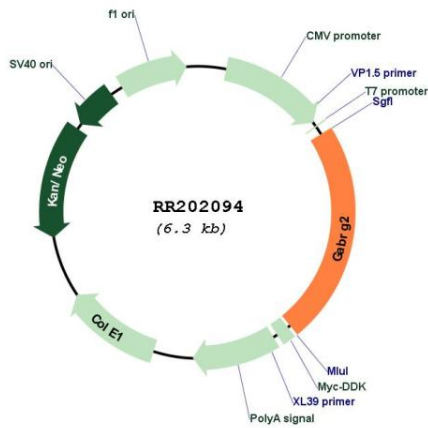
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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 Size:	1401 bp
RefSeq ORF:	1401 bp
Locus ID:	29709
UniProt ID:	P18508
Cytogenetics:	10q21
MW:	54.1 kDa
Gene Summary:	subunit of GABA receptors, which bind benzodiazepines and act as inhibitory ion channels in the brain [RGD, Feb 2006]

Product images:


Circular map for RR202094