

Product datasheet for **RN214696**

Gabrg1 (NM_080586) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrg1 (NM_080586) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gabrg1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214696 representing NM_080586
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGGTTCTGGAAAGTCTTCTTTCTCTCTCTCCCTCTGTGGAGTCAAAGTACAGGAGTGAGGTTGA
 TATTCTTGTTACTAACCCTGCATCTGGGAACTGCATTGATAAAGCAGATGATGAAGATGATGAAGATT
 AACTATGAACAAAACATGGGTCTTGGCACCTAAAATTCATGAAGGAGATATCACACAGATTCTCAACTCT
 TTAATTCAAGGCTATGATAACAACTTCGTCCAGATATAGGCGTGAGACCCACAGTAATTGAAACTGATG
 TTTATGTAACAGCATTGGACCTGTTGATCCCATAAACATGGAGTACACGATAGACATCATTTTTGCCCA
 GACTTGGTTCGATAGCCGTTTAAAGTTCAACAGCACCATGAAAGTCTTATGCTTAACAGCAACATGGTG
 GGAAAAATTTGGATCCCTGACACGTTCTTCAGGAACTCAAGGAAATCTGATGCGCACTGGATAACAACGC
 CCAATCGCCTGCTGCGGATATGGAGTGATGGAAGGTTCTCTACACTCTGAGATTAACAATTAATGCAGA
 ATGCTACCTTCAACTCCATAACTTTCTATGGATGAACATTCCTGTCCACTGGAATTTTCAAGCTATGGA
 TACCCTAAAAATGAAATTGAGTACAAGTGGAAAAAGCCCTCAGTGGAAAGTGGCTGATCCTAAGTACTGGA
 GATTGTATCAGTTTGCCTTTGTAGGGTTAAGAAATTCACCGAAATCTCTCACACAATCTCCGGAGATTA
 TATTATCATGACTATCTTTTTGACCTGAGCAGACGGATGGGCTATTTCACAATTCAGACCTACATTCGG
 TGCATTCTAACAGTTGTTCTTTCTGGGTGCTTTTTGGATCAACAAAGATGCTGTACCTGCTAGAACAT
 CCCTGGGTATCACTACGGTTTGGACTATGACAACCCTCAGTACAATCGCTAGAAAATCTTTACCTAAGGT
 TTCTTACGTGACAGCAATGGATCTCTTTGTCTCTGTGTGTTTCATTTTGTGTTGTCAGCACTCATGGAG
 TATGGAACCTTGCAATTATTTACTAGTAACAATAAAGGAAAAACCACAGAGACAGGAAGCTGAAAAGCA
 AAATTCGGTATCCCCAGGTCTCCATGCTGGATCTACTCTGATTCCCATGAACAACATTTCTATGCCTCA
 AGGGGAAGATGATTATGGTTACCAGTGTCTGGAGGGCAAGACTGTGCTACCTTTTTCTGTTGCTTTGAA
 GACTGCAGAACTGGGTCTGGAGAGAAGGGCGAATACACATACGCATTGCCAAAATCGACTCCTACTCCA
 GGATCTTTTTCCCAACAGCTTTTGCCTTGTCAATCTGGTTTACTGGGTTGGATATCTATACTTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_080586

Insert Size: 1398 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_080586.1</u> , <u>NP_542153.1</u>
RefSeq Size:	1739 bp
RefSeq ORF:	1398 bp
Locus ID:	140674
UniProt ID:	<u>P23574</u>
Cytogenetics:	14p11
Gene Summary:	gamma 1 subunit of GABA A receptor; may be involved in mediating the potentiation of GABA evoked currents by benzodiazepines [RGD, Feb 2006]