

Product datasheet for **RR208964**

Gabrr1 (NM_017291) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrr1 (NM_017291) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabrr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR208964 representing NM_017291
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGGCTGTCCGGAATATGAAATTTGGCATATTCCTTTTGTGGTGGGGATGGGTTCTGGCTGCTGAGA
 GCACAGTGCAGTGGCCAGGAAGAGAAGTTCATGAGCCCTTAAGAAAGGCAGCAGACCTCAGAGACAGAG
 ACGAGGTGCACATGACGATGCCACAAGCAAGGCAGCCCATTCGAAACGAAGCTCTGACATAACCAAG
 TCGCCTCTACCAAGTCAGAGCAGCTGCTCAGGATAGATGACCACGACTTCAGCATGAGGCTGGCTTTG
 GAGGTCCCGCCATCCCTGTGGGTGTGGATGTGCAGGTGGAGAGTCTGGACAGCATCTCCGAGGTGGACAT
 GGACTTCACCATGACCCTCTATCTGAGGCACTACTGGAAGGACGAGAGGCTGTCTTTCCAGTACCAAC
 AACCTCAGCATGACGTTTACGGCCGACTTGTAAAGAAGATATGGGTTCCCGACATGTTCTTTGTGCACT
 CCAAACGCTCCTTCATCCATGACACCACCAGACAACGTCATGTTGCGGGTACAGCCAGATGGGAAAGT
 GCTGTACAGCCTCAGAGTTACAGTGACAGCGATGTGCAACATGGACTTCAGCCGTTTCCCTGGACACA
 CAGACCTGCTCCCTCGAAATCGAAAGCTATGCCTACACAGAAGACGACCTCATGCTGTACTGGAAAAAG
 GCAATGACTCCTTAAAGACAGATGAGAGGATCTCCCTCTCTCAGTTCTCATTCAAGAATCCACACCAC
 CAAAACTAGCCTTCTACAGCAGTACAGGCTGGTACAACCGTCTGTACATCAACTTCACTCTACGTCGT
 CACATCTTCTTCTTCTGCTCCAAACCTACTTCTGCCACCCTCATGGTCATGCTGTCTGGGTGTCTCT
 TCTGGATCGACCCGAGAGCTGTGCCTGCCAGAGTCCCCTTAGGCATCACACGGTGTGACCATGTCCAC
 CATCATCACGGGCGTGAACGCCCTCATGCCTCGAGTGTCTACATCAAAGCCGTGGACATCTACCTCTGG
 GTCAGCTTTGTGTTCTGTTTCTCTCGGTGTTGGAGTACGAGCTGTCAACTACCTGACCACAGTGCAGG
 AGCGGAAGGAACGGAAGCTTCGGGAGAAGATCTCCTGCACCTGTGGGCTGCCCCAGCCTCGAGGGTGAT
 GCTGGACAGCAGCTACAGTGACGGGGAGGTGAACGACCTGGGTGGCTACATGCCTGAGAACGGAGAGAAA
 CCCGACCGGATGATGGTGCAGCTGACCCCGCCTCCGAGAGGGGCTCCCCACAGAGGAAAAGCCAGAGAG
 GCAGCTATGTGAGCATGAGGATCAACACCACGCCATTGACAAATACTCAAGGATCATTTTCCAGCTGC
 TTACATTTATTCAATCTGATATACTGGTCAATTTTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208964 representing NM_017291
 Red=Cloning site Green=Tags(s)

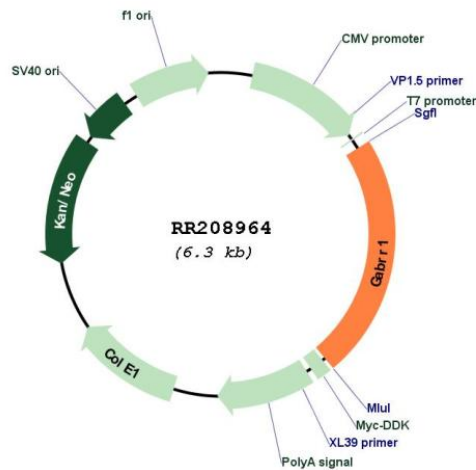
MLAVRNMKFGIFLLWWGWVLAESTVHWPGREVHEPSKKGSRPQRQRRGAHDDAHKQGSPIIKRSSDITK
 SPLTKSEQLLRIDDHDFSMRPGFGGPAIPVGVDVQVESLDSISEVDMDFMTLYLRHYWKDERLSFPSTN
 NLSMTFDGRLVKKIWVPMFFVHSKRSFIHDTTDDNVMLRVQPDGKVL YSLRVVTAMCNMDFSRFPLDT
 QTCLEIESYAYTEDDLMLYWKGNDSLKTDERISLSQFLIQEFHTTTKLAFYSSSTGWYNRLYINFTLRR
 HIFFFLLQTYFPATLMVMLSWSFWIDRRVAVPARVPLGITTVLTMSTIITGVNASMPRVSYIKAVDIYLW
 VSFVVFVLSVLEYAAVNLYTTVQERKERLREKISCTCGLPQPRGVMLDSSYSYSDGEVNDLGGYMPENGEK
 PDRMMVQLTPASERGSPQRKSRQGSYVSMRINTHAIDKYSRIIFPAAYILFNLIYWSIFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_017291

ORF Size: 1440 bp

OTI Disclaimer: 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: [NM_017291.3](#), [NP_058987.2](#)

RefSeq Size: 4187 bp

RefSeq ORF: 1443 bp

Locus ID: 29694

Cytogenetics: 5q21

MW: 55.5 kDa

Gene Summary: rho subunit of GABA receptors; may mediate inhibitory neurotransmission in the retina [RGD, Feb 2006]