

## Product datasheet for **MR225995**

### **Gabrr1 (NM\_008075) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabrr1 (NM_008075) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabrr1
Synonyms:	GABA-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR225995 representing NM\_008075  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTTGGCTGTCCAGAATATGAAATTTGGCATATTCCTTTTGTGGTGGGGATGGGTTCTGGCTGCTGAGA  
 GCACAGCGCACTGGCCAGGAAGAGAAGTTCATGAGCCATCTAGGAAAGGCAGCAGACCTCAGAGACAGAG  
 ACGAGGAGCACACGACGATGCCACAAGCAAGGCAGCCCAATCCTGAGACGAAGCTCTGACATAACCAAG  
 TCTCCTCTACCAAGTCTGAGCAGCTGCTGAGGATAGACGACCATGATTTGAGCATGAGGCTGGTTTTG  
 GAGGCCAGCCATTCTGTGGCGTGGATGTGCAGGTGGAGAGCCTGGACAGCATCTCAGAGGTTGACAT  
 GGACTTCACCATGACGCTATATTTGAGGCACTACTGGAAGGACGAGAGACTGTCTTTCCCGAGCTCAAC  
 AACCTCAGCATGACCTTTGATGGCCGACTGTAAAGAAGATCTGGGTTCCCGACATGTTCTTTGTGCACT  
 CCAAACGCTCCTTCATCCAGACACCACCAGACAACGTCATGCTGCGCGTCCAGCCAGACGGCAAAGT  
 GCTCTACAGCCTCAGAGTTACAGTGACCGCGATGTGCAACATGGACTTCAGCAGGTTTCCCTGGACACA  
 CAGACCTGCTCTCTGAAATCGAAAGCTACGCTTATACGGAAGACGACCTAATGCTGACTGGAAAAAG  
 GCAATGACTCCTTAAAGACAGATGAGAGGATCTCCCTCTCTCAGTTCTCATTCAAGAATCCACACCAC  
 CAAAACTAGCCTTCTACAGCAGTACAGGCTGGTACAACCGTCTGTACATCAACTTCACTCTGCGTCGT  
 CACATCTTCTTCTTCTGCTCCAAACCTACTTTCTGCCACCCTCATGGTCATGCTGTCTGGGTGCTT  
 TCTGGATCGACCGCAGAGCTGTGCTGTAGAGTCCCCTTAGGCATCACACGGTGTGACCATGTCCAC  
 CATCATACGGGCGTGAATGCCTCCATGCCCGAGTGTCTACATCAAAGCTGTGGACATCTACCTCTGG  
 GTCAGCTTTGTGTTCTTCTCTCCGTGCTGGAGTACGAGCTGTCAACTACCTGACCACAGTGCAGG  
 AGCGGAAGGAACGGAAGCTTCGGGAGAAGATCTCCTGCACCTGTGGGCTGCCCGAGCTCGAGGGTGTGAT  
 GCTGGACAGCAGCTACAGTGATGGAGAGGTGAACGACCTGGGCGGCTACATGCCTGAGAACGGAGAGAAA  
 CCCGACCGGATGATGGTGCAGCTGACTCTGGCCTCTGAGAGGGGCTCTCCACAGAGGAAGGGCCAGAGAG  
 GCAGCTATGTGAGCATGAGGATCAACACTCACGCCATTGATAAATACTCAAGGATCATTTTCCAGCCGC  
 TTACATTTTATTCAATCTGATATACTGGTCAATTTTCTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR225995 representing NM\_008075  
 Red=Cloning site Green=Tags(s)

MLAVQNMKFGIFLLWWGWVLAESTAHPGREGVHEPSRKGSRPQRQRRGAHDDAHKQGSPILRRSSDITK  
 SPLTKSEQLLRIDDHDFSMRPGFGGPAIPVGVQVQVESLDSISEVDMDFMTLYLRHYWKDERLSFPSSN  
 NLSMTFDGRLVKKIWWPDMFFVHSKRFSIHDTTDDNVMLRVQPDGKVLYSRVTVTAMCNMDFSRFPLDT  
 QTCSELEIESYAYTEDDLMLYWKGNDSLKTDERISLSQFLIQEFHTTTKLA FYSSTGWYNRLYINFTLRR  
 HIFFFLLQTYFPATLMVMLSWSFWIDRRVAVPARVPLGITTVLTMSTIITGVNASMPRVSYIKAVDIYLW  
 VSFVFLSVLEYAAVNYLTTVQERKERKLRKISCTCGLPQPRGVMLDSSYSDGEVNDLGGYPENGEK  
 PDRMMVQLTLASERGSPQRKQGRGSYVSMRINTHAIDKYSRIIFPAAYILFNLIYWSIFS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9017\\_a04.zip](https://cdn.origene.com/chromatograms/mm9017_a04.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_008075

**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\\_008075.2](#), [NP\\_032101.3](#)
**RefSeq Size:** 2280 bp

**RefSeq ORF:** 1443 bp

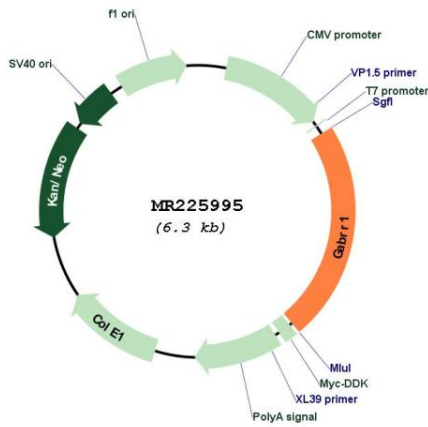
**Locus ID:** 14408

**UniProt ID:** [P56475](#)
**Cytogenetics:** 4 14.68 cM

**MW:** 55.9 kDa

**Gene Summary:** GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel. Rho-1 GABA receptor could play a role in retinal neurotransmission (By similarity). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR225995