

Product datasheet for **MC216457**

Gabrr1 (NM_008075) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrr1 (NM_008075) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gabrr1
Synonyms:	GABA-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-Myc-DDK (PS100007)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >MC216457 representing NM_008075
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAATTTGGCATAATTCCTTTTGTGGTGGGGATGGGTTCTGGCTGCTGAGAGCACAGCGCACTGGCCAG
 GAAGAGAAGTTCATGAGCCATCTAGGAAAGGCAGCAGACCTCAGAGACAGAGACGAGGAGCACACGACGA
 TGCCACAAAGCAAGGCAGCCCAATCCTGAGACGAAGCTCTGACATAACCAAGTCTCCTCTACCAAGTCT
 GAGCAGCTGCTGAGGATAGACGACCATGATTTTCAGCATGAGGCCTGGTTTTGGAGGCCAGCCATTCCTG
 TGGGCGTGGATGTGCAGGTGGAGAGCCTGGACAGCATCTCAGAGGTTGACATGGACTTCACCATGACGCT
 ATATTTGAGGCACTACTGGAAGGACGAGAGACTGTCTTTCCCGAGCTCCAACAACCTCAGCATGACCTTT
 GATGGCCGACTTGTAAAGAAGATCTGGGTTCCCGACATGTTCTTTGTGCACTCCAACGCTCCTTCATCC
 ACGACACCACCACAGACAACGTCATGCTGCGCGTCCAGCCAGACGGCAAAGTGTCTACAGCCTCAGAGT
 TACAGTGACCGCATGTGCAACATGGACTTCAGCAGGTTTCCCTGGACACACAGACCTGCTCTCTGGAA
 ATCGAAAGCTACGCTTATACGGAAGACGACCTAATGCTGTACTGGAAAAAGGCAATGACTCCTTAAGA
 CAGATGAGAGGATCTCCCTCTCTCAGTTCCTCATTCAAGAATTCACACCACCACAAAAGTGCCTTCTA
 CAGCAGTACAGGCTGGTACAACCGTCTGTACATCAACTCACTCTGCGTCGTACATCTTCTTCTTTG
 CTCCAAACCTACTTTCTGCCACCCTCATGGTCATGCTGTCTGGGTGCTTTTCTGGATCGACCGCAGAG
 CTGTGCCTGCTAGAGTCCCCTTAGGCATCACCACGGTGTGACCATGTCCACCATCATCACGGGCGTGAA
 TGCCCTCATGCCCCGAGTGTCTACATCAAAGCTGTGGACATCTACCTCTGGGTGAGCTTTGTGTTGCTC
 TTCCTCTCCGTGCTGGAGTACGCAGCTGTCAACTACCTGACCACAGTGCAGGAGCGGAAGGAACGGAAGC
 TTCGGGAGAAGATCTCCTGCACCTGTGGGCTGCCCGAGCTCGAGGGGTGATGCTGGACAGCAGCTACAG
 TGATGGAGAGGTGAACGACCTGGGCGGCTACATGCTGAGAACGGAGAGAAACCCGACCGGATGATGGTG
 CAGCTGACTCTGGCCTCTGAGAGGGCTCTCCACAGAGGAAGGGCCAGAGAGGCAGCTATGTGAGCATGA
 GGATCAACACTCAGCCATTGATAAATACTCAAGGATCATTTTCCAGCCGCTTACATTTTATTCAATCT
 GATATACTGGTCAATTTTCTCTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1630_f01.zip

Restriction Sites: SgfI-MluI

ACCN: NM_008075

Insert Size: 1443 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.

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

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]