

Product datasheet for **MR207843**

Gabrr2 (NM_008076) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrr2 (NM_008076) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabrr2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207843 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTTAAGCCAGGGGCATCTTGCCATTAAGTCCCTGCACAGCTGCCTGTTGCATCATAGACATGT
 GCAGAATGCCTTATTTGATGAGACTCGCTTTGGTCTTGTGTTTGCCTGATGGCTCTCGTGGAGAGCAGAAA
 GCCCAGGAGGAAGAGATGGACAGGGCTTCTGAAACATCCAAGCCAAGCCATTTGTATAAAAAGAACCTT
 GATGTGACCAAGATGCGGCCAGGAAAGCCTCGGCCTCTGCTCAGGGTAGAGGACCACGACTTCACCATGA
 GGCCAGCCTTTGGAGGCCCGCCATCCCTGTAGGTGTGGACGTGCAGGTGGAGAGTCTGGACAGCATCTC
 CGAGGTGGACATGGACTTCACCATGACCCTATACCTGAGGCATTACTGGAGGGACGAGAGGCTGGCCTTC
 CCCAGCAGCAGCAACAAGAGCATGACCTTTGATGGCCGGCTGGTGAAGAAGATCTGGGTTCTGATGTCT
 TCTTTGTGCACTCAAACGCTCCTTCATCCACGACACCACCACCAACATCATGCTGCGAGTGTCCC
 CGATGGCCATGTGCTATACAGCATGAGGATTACGGTCACTGCCATGTGCAACATGGACTTCAGCCACTTT
 CCCTGGATTCCAGACCTGCTCTTTGGAGCTGGAGAGCTATGCGTACACAGATGAAGATCTGATGCTGT
 ACTGGAAGAACGGGGACGAGTCCCTGAAGACAGACGAGAAGATCTCCTTGTCCCAGTTTCTGATCCAGAA
 GTTTCACACGACTTCAGACTGGCCTTCTACAGCAGCACTGGCTGGTACAACCGTCTGTACATCAACTTC
 ACTCTGCGTCGTACATCTTCTTCTTCTGCTCCAAACCTACTTCCCTGCCACCCATGTTGTCATGCTGT
 CCTGGGTGCTTCTGGATCGACCACAGAGCCGTGCCCGCAGAGTCTCACTGGGCATCATGACGGTGT
 GACCATGTCGACCATCATCACGGGTGTGAACGCCTCCATGCCCGAGTGTCTACATCCGGGCCGTGGAC
 ATCTACCTCTGGGTCAGCTTTGTGTTGCTTCTCCTCTCCGTGCTGGAGTACGAGCTGTCAACTACCTGA
 CCACACTGCAGGAGCAGAAGGAACGGAAGTTCGGGAGAAGCTTCATGCATGTGTGGAATCTTCACTT
 AAGGACCATGATGCTGGATGGAAGCTACAGTGAATCTGAGGCCAACAGCCTGGCTGGCTACCCAAGAAGC
 CACATTCTGCCAGAAGAAGAAAGCCAGATAACATCGTGGTTCATTTGGCCCTCAACAGTGAATTGACCT
 CCTCCAGAAAGAAAGCCTTCTGAAAGGCCAAATGGGTCTCTACATCTTCCAGAACCCATGCCATTGA
 CAAATACTCCAGTTGATATTTCTGCCTTCTACATAGTTTTCAACCTAATTTATTGGTCAGTGTTTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207843 protein sequence
 Red=Cloning site Green=Tags(s)

MVKPGGILPIKSPCTAACCIIDMCRMPYLMRLALVLFCLMALVESRKPRRKRWTGELLETSKPSHLYKKNL
 DVTKMRPGKPRLLRVEDHDFMTRPAFGGPAIPVGVQVQVESLDSISEVDMDFMTLYLRHYWRDERLAF
 PSSSNKSMTFDGRLVKKIWPVDFVHVKRSFIHDTTDDNIMLRVFPDGHVLYSMRITVTAMCNMDFSHF
 PLDSQTCSELESYAYTDEDLMLYWKNGDESLKTEKISLSQFLIQKFHTTSRLAFYSSTGWYNRLYINF
 TLRRHIFFFLLQTYFPATLMVMLSWSVFWIDHRAVVPARVSLGIMTVLTMSTIITGVNASMPRVSYIRA
 VD IYLVWVSFVFLSVLEYAAVNLYTTLQEQRKRFREKLPFCMGLHSRTMMLDGSYSESEANSLAGYPRS
 HILPEEERPDNI VVHLALNSEL TSSRKKGLLKGQMGLYIFQNTHAIDKYSRLIFPAFYIVFNLIYWSVFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_008076

ORF Size: 1473 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_008076.3](#), [NP_032102.2](#)

RefSeq Size: 1835 bp

RefSeq ORF: 1473 bp

Locus ID: 14409

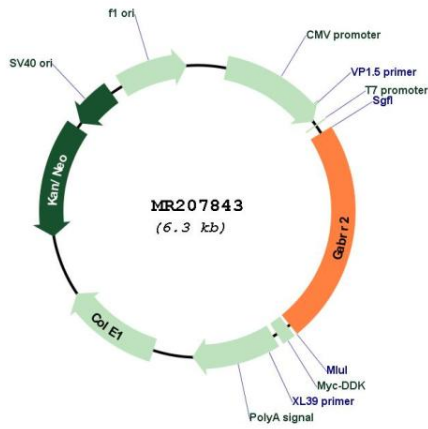
UniProt ID: [P56476](#)

Cytogenetics: 4 14.64 cM

MW: 56.8 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-2 GABA receptor could play a role in retinal neurotransmission (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207843