

Product datasheet for **MG225995**

Gabrr1 (NM_008075) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrr1 (NM_008075) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gabrr1
Synonyms:	GABA-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG225995 representing NM_008075
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAATTTGGCATATTCCTTTTGTGGTGGGGATGGGTTCTGGCTGCTGAGAGCACAGCGCACTGGCCAG
 GAAGAGAAGTTTCATGAGCCATCTAGGAAAGGCAGCAGACCTCAGAGACAGAGACGAGGAGCACACGACGA
 TGCCACACAAGCAAGGCAGCCCAATCCTGAGACGAAGCTCTGACATAACCAAGTCTCCTCTACCAAGTCT
 GAGCAGCTGCTGAGGATAGACGACCATGATTTTCAGCATGAGGCCTGGTTTTGGAGGCCAGCCATTCCTG
 TGGGCGTGGATGTGCAGGTGGAGAGCCTGGACAGCATCTCAGAGGTTGACATGGACTTCACCATGACGCT
 ATATTTGAGGCACTACTGGAAGGACGAGAGACTGTCTTTCCCGAGCTCCAACAACCTCAGCATGACCTTT
 GATGGCCGACTTGTAAAGAAGATCTGGGTTCCCGACATGTTCTTTGTGCACTCCAACGCTCCTTCATCC
 ACGACACCACCACAGACAACGTCATGCTGCGCGTCCAGCCAGACGGCAAAGTGTCTACAGCCTCAGAGT
 TACAGTGACCGCATGTGCAACATGGACTTCAGCAGGTTTCCCTGGACACACAGACCTGCTCTCTGGAA
 ATCGAAAGCTACGCTTATACGGAAGACGACCTAATGCTGTACTGGAAAAAGGCAATGACTCCTTAAAGA
 CAGATGAGAGGATCTCCCTCTCTCAGTTCCTCATTCAAGAATTCACACCACCACAAAAGTGCCTTCTA
 CAGCAGTACAGGCTGGTACAACCGTCTGTACATCAACTTCACTCTGCGTCGTCACATCTTCTTCTTCTG
 CTCCAAACCTACTTTCTGCCACCCTCATGGTCATGCTGTCTGGGTGCTTTCTGGATCGACCGCAGAG
 CTGTGCCTGCTAGAGTCCCTTAGGCATCACCACGGTGTGACCATGTCCACCATCATCACGGGCGTGAA
 TGCCCTCATGCCCGAGTGTCTACATCAAAGCTGTGGACATCTACCTCTGGGTCAGCTTTGTGTTCGTC
 TTCCTCTCCGTGCTGGAGTACGCAGCTGCAACTACCTGACCACAGTGCAGGAGCGGAAGGAACGGAAGC
 TTCGGGAGAAGATCTCCTGCACCTGTGGGCTGCCCGAGCTCGAGGGGTGATGCTGGACAGCAGTACAG
 TGATGGAGAGGTGAACGACCTGGGCGGCTACATGCCTGAGAACGAGAGAAACCCGACCGGATGATGGTG
 CAGCTGACTCTGGCCTCTGAGAGGGCTCTCCACAGAGGAAGGGCCAGAGAGGCAGCTATGTGAGCATGA
 GGATCAACACTCAGCCATTGATAAATACTCAAGGATCATTTTCCAGCCGCTTACATTTTATTCAATCT
 GATATACTGGTCAATTTCTCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

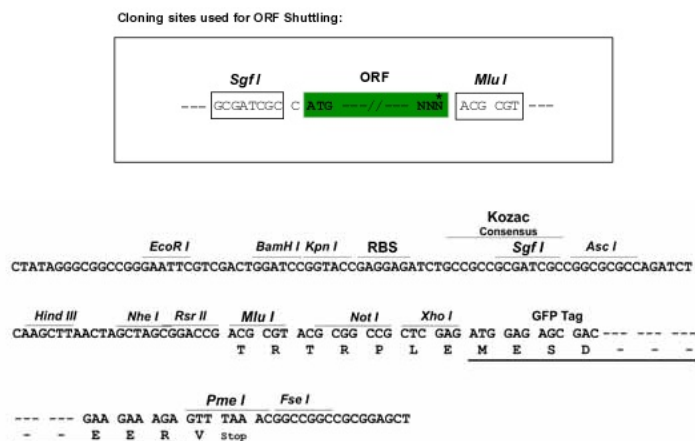
>MG225995 representing NM_008075
 Red=Cloning site Green=Tags(s)

MKFGIFLLWGWVLAESTAHWPGREVHEPSRKGSRPQRRGAHDDAHKQGSPILRRSSDITKSPLTKS
 EQLLRIDDDHDFSMRPGFGGPAIPVGVQVQVESLDSISEVDMDFMTLYLRHYWKDERLSFPSSNNLSMTF
 DGRLVKKIWPDMFFVHRSKRSFIHDTTDDNVMRLRVQPDGKVLVSLRVTVTAMCNMDFSRFPLDTQCSLE
 IESYAYTEDDLMLYWKGNDSLKTDERISLSQFLIQEFHTTTKLAFYSSTGWYNRLYINFTLRRHIFFFL
 LQTYFPATLMVMSWVSFWIDRRRAVPARVPLGITTVLTMSTIITGVNASMPRVSYIKAVDIYLWVSFVVF
 FLSVLEYAAVNYLTTVQERKERKLREKISCTCGLPQPRGVMLDSSYSDGEVNDLGGYMPENGEKPDMMV
 QLTLASERGSPQRKGQRGSYVSMRINTHAIDKYSRIIFPAAYILFNLIYWSIFS

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


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

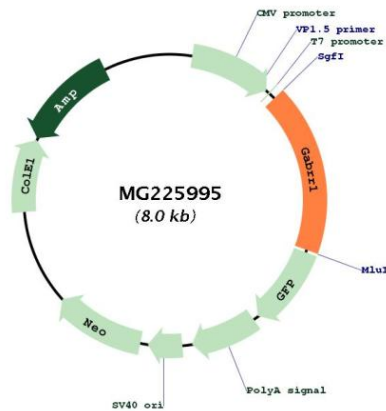
Locus ID: 14408

UniProt ID: [P56475](#)

Cytogenetics: 4 14.68 cM

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 MG225995