

Product datasheet for **MR227185**

Gabrb1 (NM_008069) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrb1 (NM_008069) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabrb1
Synonyms:	AW061132; B230208N19Rik; Gabrb-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR227185 representing NM_008069
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGACAGTACAAAATCGAGAGAGTTTGGGGCTTCTCTTTTTCCCGTGATGGTTGCTATGGTTTGT
 GTGCACACAGCTCCAATGAACCCAGCAACATGTACATACGTGAAAGAGACAGTGGACCGACTGCTCAAAGG
 ATATGACATTCGCTTGCAGCCGGACTTTGGAGGGCCCCGGTGGACGTCGGGATGCGGATCGATGTCGCC
 AGCATAGACATGGTCTCGGAAGTGAATATGGATTATACTCACCATGTATTTCCAGCAGTCTTGAAGG
 ACAAGAGGCTTTCATATTCTGGAATCCCATTAATCTGACCCCTTGACAACAGAGTAGCTGACCAACTCTG
 GGTACCAGACACCTACTTCTCAATGACAAGAAATCATTTGTGCATGGGGTACAGTGAACAAACCGAATG
 ATCAGGCTGCATCCTGATGGAAGTGTCTCTATGGACTACGGATCACAACCACTGCAGCATGCATGATGG
 ATCTTCGAAGATACCTCTGGATGAGCAAACTGCACCCTGGAGATTGAAAGTTATGGCTATACCACGGA
 TGACATCGAATTTACTGGAATGGAGGAGGGGAGCAGTAAGTGGGGTCAATAAAATTGAGCTTCCCAA
 TTTTCAATTGTTGACTACAAGATGGTGTCCAAGAAGGTGGAGTTCACAACAGGGGCATATCCACGACTAT
 CACTAAGTTTTCGTCTAAAGAGAAACATTGGTTACTTCAATTTGACAGACTACATGCCTTCCACACTGAT
 TACAATCTGTCTGGGTGTCGTTTTGGATCAACTATGATGCATCTGCAGCCAGAGTCGCACTAGGAATC
 ACTACGGTGTGACCATGACCACCATCAGCACTCACCTCAGGGAGACTTTGCCGAAGATCCCTTACGTCA
 AAGCGATTGACATCTATCTATGGGCTGTTTTGTGTTGTCTCTGGCTCTACTGGAATATGCTTTTGT
 CAATTACATTTTCTCGAAAAGGCCCTCAGAAAAGGGAGCGAGCAACAAGACCAGAGTGCCAATGAA
 AAGAACAGACTGGAGATGAACAAAGTCCAAGTTGATGCCACGGCAATATTCTCCTCAGCACCTGGAAA
 TCAGGAACGAGACCAGTGGCTCCGAGGTGCTCACAGGTGAAGTACCCCAAGGCCACCATGTACTCGTA
 CGACAGCGCCAGCATCCAGTACCGCAAGCCACTGAGCAGCCGCGAGGGCTTCGGGCGTGGGCTGGACAGG
 CACGGGGTACCGGCAAGGGGCGCATCCGACGGGCGCCTCGCAGCTCAAAGTGAAGATCCCGACTTGA
 CTGACGTGAACCTCATAGACAAGTGGTCCCGAATGTTCTTCCCATCACCTTTTCTTTTTAATGTCGT
 TTATTGGCTTTACTATGTACAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR227185 representing NM_008069
 Red=Cloning site Green=Tags(s)

MWTVQNRESLGLLSFPVMVAMVCCAHSNPSNMSYVKETVDRLLKGYDIRLRPDFGGPPVDVGMRIDVA
 SIDMVSEVNMDYTLTMYFQQSWKDKRLSYSGIPLNLTLDNRVADQLWVPDITYFLNDKKSFVHGVTVKNRM
 IRLHPDGTVLYGLRITTTAACMMDLRRYPLDEQNCTLEIESYGYTTDDIEFYWNGGEGAVTGVNKIELPQ
 FSIVDYKMSKKEFTTGAYPRLSLSFRLKRNIGYFILQTYMPSTLITILSWVSWINYDASAARVALGI
 TTVLTMTTISTHLRETLPKIPYVKAIDIYLMGCFVFLALLEYAFVNYIFFGKGPQKKGASKQDQSANE
 KNRLEMNKVQVDAHGNILLSTLEIRNETSGSEVLTVGSDPKATMYSYDSASIYQRKPLSSREGFGRGLDR
 HGVPGKGRIRRRASQLKVKIPDLTDVNSIDKWSRMFFPITFLFNVVYWLYYVH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_a03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:

ACCN: NM_008069

ORF Size: 1422 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

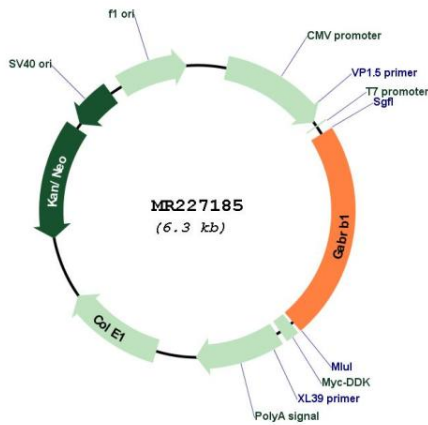
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_008069.5](#)
RefSeq Size: 1860 bp
RefSeq ORF: 1425 bp
Locus ID: 14400
UniProt ID: [P50571](#)
Cytogenetics: 5 38.18 cM
MW: 54.6 kDa

Gene Summary: Component of the heteropentameric receptor for GABA, the major inhibitory neurotransmitter in the vertebrate brain. Functions also as histamine receptor and mediates cellular responses to histamine (By similarity). Functions as receptor for diazepines and various anesthetics, such as pentobarbital; these are bound at a separate allosteric effector binding site. Functions as ligand-gated chloride channel.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR227185