

Product datasheet for **RR202940**

Gabrb3 (NM_017065) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrb3 (NM_017065) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabrb3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR202940 representing NM_017065
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGGCTTTGCGGGAGGAAGGCTTTTCGGCATCTTCTCGGCCCGGTGCTGGTGGCGGTGGTTTGT
 GCGCCAGAGCGTAAACGACCCCGGAACATGTCTTTGTGAAGGAGACGGTCGACAAGCTGTTGAAAGG
 CTACGACATTCGCTGAGACCGGACTTCGGGGTCCCCAGTCTGCGTGGGGATGAACATCGACATCGCC
 AGCATCGACATGGTTTCTGAAGTCAACATGGATTATACCTTAACTATGTATTTCCAACAATATTGGAGAG
 ATAAAAGGCTCGCTACTCTGGGATCCCTCTCAACCTCACGCTTGACAATCGAGTGGCTGACCAGCTCTG
 GGTGCCTGACACATATTTCTAAATGACAAAAAGTCATTTGTGCACGGAGTGACAGTGAAAAACCGCATG
 ATCCGCCCTCCACCCTGATGGAACAGTGTGTACGGGCTCAGGATCACCACCACAGCAGCTGTCATGATGG
 ACCTCAGAAGATACCCACTGGATGAGCAAACTGCACCCTGGAATTGAAAGCTATGGATACACCACGGA
 TGACATTTGAATTTACTGGCGTGGCGGGACAAGGCTTTACTGGCGTGGAAAGGATCGAGCTCCCACAG
 TTCTCCATTGTGGAGCACCGTCTGGTCTCCAGGAATGTTGTCTTCGCCACAGGTGCCACCTCGACTCT
 CATTGAGTTTTCGTTGAAGAGAAACATTGGGTACTTCATACTTCAGACGTATATGCCCTCAATCATGAT
 CACAATCTCTCATGGGTGTCCTTCTGGATCAATTATGATGCATCTGCTGCTCGAGTTGCCCTAGGGATT
 ACCACCGTGCTCACCATGACAACCATCAACACTCACCTTCGAGAGACTCTACCCAAAATCCCCTACGTCA
 AAGCCATCGACATGTACCTGATGGGTGCTTCTGCTTTGTATTCTGGCACTTCTGGAGTATGCCTTTGT
 CAACTATATTTCTTTGGACGAGGTCCCAACGGCAGAAGAAGCTTGGGAGAAGACAGCCAAGGCCAAG
 AATGATCGATCCAAGAGTGAAATCAACCGGTGGATGCTCACGGGAATATCTACTAGCACCGATGGATG
 TTCACAATGAAATGAATGAGTTGCAGGCAGCTTGGTGACACCAGGAATTCAGCAATATCTTTTGACAA
 CTCAGGAATCCAGTATAGGAAACAGAGCATGCCAAGGAAGGGCATGGGCGGTACATGGGAGACAGAAGC
 ATCCCGCACAGAAGACGCACCTACGGAGGAGTCTTCGACGCTCAAAATCAAAATCCCTGATCTAACCG
 ATGTGAATGCCATAGACAGATGGTCCCGGATCGTGTTCATTACCTTTTCTCTTCACTTAGTTTAA
 CTGGCTGACTATGTTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202940 representing NM_017065
 Red=Cloning site Green=Tags(s)

MWGFAGGRLFGIFSAVPLVAVVCCAQSVNDPGNMSFVKETVDKLLKGYDIRLRPDFGGPPVCGMNI
 SIDMVSEVNMDYTLTMYFQQYWRDKRLAYSGIPLNLTLDNRVADQLWVPDITYFLNDKKSFVHGVTVKNRM
 IRLHPDGTVLYGLRITTTAACMMDLRRYPLDEQNCTLEIESYGYTTDDIEFYWRGGDKAVTGVERIELPQ
 FSIVEHRLVSRNVVFATGAYPRLSLFRKRNIGYFILQTYMPSIMITILSWVSFWINYDASAARVALGI
 TTVLTMTTINTHLRETLPKIPYVKAIDMYLMGCFVFLALLEYAFVNYIFFGRGPQRQKLAEKAKAK
 NDRSKSEINRVDAHGNILLAPMDVHNEMNEVAGSVGDTRNSAISFDNSGIQYRKQMPKEGHGRYMGDRS
 IPHKKTHLRRRSSQLKIKIPDLTDVNAIDRWSRIVFPFTFSLFNLVYWLYYVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3151_c02.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_017065

ORF Size: 1419 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.

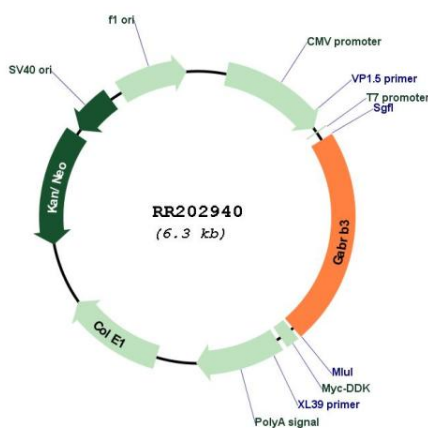
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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:	<u>NM_017065.1, NP_058761.1</u>
RefSeq Size:	2000 bp
RefSeq ORF:	1422 bp
Locus ID:	24922
UniProt ID:	<u>P63079</u>
Cytogenetics:	1q22
MW:	54.2 kDa
Gene Summary:	beta 3 subunit, with alpha subunits forms active GABA-A receptors [RGD, Feb 2006]

Product images:


Circular map for RR202940