

## Product datasheet for **RR204401**

### **Gabrg3 (NM\_024370) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabrg3 (NM_024370) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabrg3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR204401 representing NM\_024370  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCTGCAAAGCTGCTGCTTCTCTCTGCTGTCTCGGGCTTGCATGCTCGGTCCAGGAGGGTGAAG  
 AGGATGACAGTGAAGACTCTCCATCAAACCAGAAGTGGGTCTTGGCACCCAAATCACAAGACACCGATGT  
 GACTGATTCTCAACAAATTGCTGCGAGAATATGACAAAAAGTTGAGACCAGACATTGGAATAAAACCA  
 ACTGTGATCGATGTGGACATTTATGTTAACAGCATTGGTCTGTGTCATCCATAAACATGGAATACCAAA  
 TTGATATATTTTTGCTCAAACCTGGACAGACAGTCGCCCTTCGATTCAACAGCACAATGAAAATACTTAC  
 TCTGAACAGCAACATGGTGGTTTGATATGGATACCAGACACCATCTTTCGAAACTCTAAAAACAGCAGAG  
 GCTCACTGGATCACCACACCCAACCAGCTCCTTAGAATCTGGAATGATGGGAAAACTCTTACACATTA  
 GGCTTACCATCAATGCAGAGTCCAGCTGCAACTGCATAACTCCCCATGGATGCGCATGCCTGCCCTTT  
 GACCTTCTAGCTATGGCTACCCAAAGAAGAAATGATTTATCGTTGGAGGAAAAATTCAGTTGAGGCA  
 GCTGATCAGAAATCATGGCGGCTCTATCAGTTGACTTCATGGGCTCAGAAACTACAGAAATCGTGA  
 CTACATCTGCAGGTGATTATGTTGTCATGACTATCTACTTTGAACTGAGTCGAAGATGGGATACTTAC  
 TATCCAGACGTATATCCCTGCATACTGACTGTGGTTCTGTCTGGGTATCATTTTGGATCAAAAAAGAT  
 GCGACACCAGCAAGAACAACATTAGGCATCACCACGGTGCTAACCATGACCACACTCAGCACCATTGCCA  
 GGAAGTCCTGCCTCGGGTGTCTATGCTACTGCCATGGACCTCTTTGTGACTGTGTGCTTCTTGTTTGT  
 CTTTGGCCACTGATGGAGTATGCTACTCTCAACTACTATTCGAGCTGTCGAAAGCCAACCATCAGGAAG  
 AAAAGACATCGTTATTACATCCAGATTAACAAGATGGATTCTGATCGAATAAGCCTTCAAGCACCT  
 CTAATTATCTCTCCTGGATATGAGACCCACCACCCGTGATGATCAGTTAAACAATTCATGTACTG  
 GCAGGAGTTTGAGGACACTGTGTCTATGAGTGTCTGGATGGCAAGACTGCCAGAGCTTCTTCTGCTGC  
 TATGAGGAGTGAAGTCTGGCTCCTGGAGAAGAGCCGCATCCACATTGACGTCTCTGAGCTGGACTCCT  
 ACTCTCGGGTCTTCTTCCAACGCTCTTCTGCTGTTCAACCTGGTCTATTGGGTTGGATACCTATATCT  
 T

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR204401 representing NM\_024370  
 Red=Cloning site Green=Tags(s)

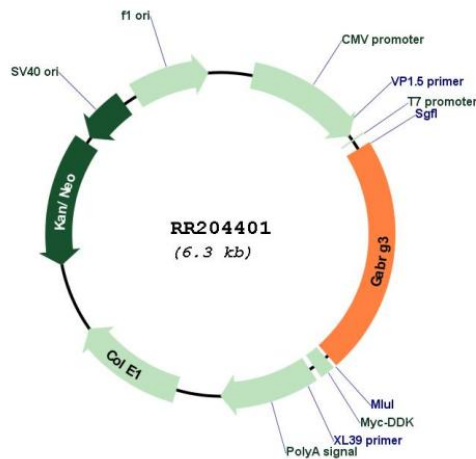
MAAKLLLLLCLFSGLHARSRRVEEDSEDSPSNQKWLAPKSQDQDVTLLNKLREYDKKLRPDIGIKP  
 TVIDVDIYVNSIGPVSSINMEYQIDIFFAQWTDSRLRFNSTMKILTLNSNMVGLIWIPDTIFRNSKTAE  
 AHWITTPNQLRIWNDGKILYTLRLTINAECQLQLHNFPMDAHACPLTFSSYGYPKKEIMYRWRKNSVEA  
 ADQKSWRLYQDFMGLRNTTEIVTTSAGDYVVMTIYFELSRRMGYFTIQTYIPCILTVVLSWVSFWIKKD  
 ATPARTLGGITTVLTMTLSTIARKSLPRVSYVTAMDLFVTVCFVFAALMEYATLNYSYSSCRKPTIRK  
 KKTSLHHPDSTRWIPDRISLQAPSNYSLLDMRPPPPVMITLNNSMYWQEFEDTCVYECLDGKDCQSFFCC  
 YEECKSGSWRRGRIHIDVSELDYSYRVFFPTSFLFNLYVWVGYLYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_024370

**ORF Size:** 1401 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_024370.3</a> , <a href="#">NP_077346.3</a>
<b>RefSeq Size:</b>	1638 bp
<b>RefSeq ORF:</b>	1404 bp
<b>Locus ID:</b>	79211
<b>UniProt ID:</b>	<a href="#">P28473</a>
<b>Cytogenetics:</b>	1q22
<b>MW:</b>	54.3 kDa
<b>Gene Summary:</b>	subunit that facilitates benzodiazepine binding and sensitivity to GABA-A receptors; forms gamma-aminobutyric acid-gated benzodiazepine-modulated chloride channels [RGD, Feb 2006]