

## Product datasheet for **RR214313**

### **Gabbr1 (NM\_031028) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gabbr1 (NM_031028) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabbr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214313 representing NM\_031028  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCTGCTGCTGCTGCTGGTGCCTCTCTTCCGCCCCCTGGGCGCTGGCGGGGCGCAGACCCCCAACG  
 CCACCTCGGAAGGTTGCCAGATTATACATCCGCCCTGGGAAGGTGGCATCAGGTACCGTGGCTTGACTCG  
 CGACCAGGTGAAGGCCATCAACTTCTGCTGTGGACTATGAGATCGAATATGTGTGCCGAGGGGAGCGC  
 GAGGTGGTGGGGCCCAAGGTGCGCAAAATGCCTGGCCAACGGCTCCTGGACGGATATGGACACACCCAGCC  
 GCTGTGTCCGAATCTGCTCCAAGTCTTATTTGACCCTGGAAAAATGGGAAGGTTTTCTGACGGGTGGGA  
 CCTCCCAGCTCTGGATGGAGCCCGGTGGAGTTCGATGTGACCCGACTTCCATCTGGTGGCAGCTCC  
 CGGAGCGTCTGTAGTCAGGGCCAGTGGAGCACCCCAAGCCCACTGCCAGGTGAATCGAACGCCACACT  
 CAGAACGGCGTGCAGTATACATCGGGCGCTGTTCCCATGAGCGGGGGTGGCCGGGGGCCAGGCCCTG  
 CCAGCCCGCGGTGGAGATGGCGCTGGAGGACGTTAACAGCCGCAGAGACATCCTGCCGGACTACGAGCTC  
 AAGCTTATCCACCACGACAGCAAGTGTGACCCAGGGCAAGCCACCAAGTACTTGTACGAACTACTCTACA  
 ATGACCCCATCAAGATCATTCTCATGCCTGGCTGTAGTCTGTCTCCACACTTGTAGCTGAGGCTGCCCCG  
 GATGTGGAACCTTATTGTGCTCTCATATGGCTCCAGTTCACCAGCCTTGTCAAACCGACAGCGGTTTCCC  
 ACGTTCTTCCGGACGCATCCATCCGCCACACTCCACAATCCCACCCGGGTGAAACTCTTCGAAAAGTGGG  
 GCTGGAAGAAGATCGCTACCATCCAACAGACCACCGAGGTCTTCACTCAACGCTGGATGACCTGGAGGA  
 GCGAGTGAAAGAGGCTGGGATCGAGTCACTTCCGACAGAGTTTCTTCTCGGATCCAGCTGTGCCTGTT  
 AAAAACCTGAAGCGTCAAGATGCTCGAATCATCGTGGGACTTTTCTATGAGACGGAAGCCCGAAAAGTTT  
 TTTGTGAGGTCTATAAGGAAAGGCTCTTTGGGAAGAAGTACGTCTGGTTCCTCATCGGTGGTATGCTGA  
 CAACTGGTTCAAGACCTATGACCCGTCAAATCAATTGTACAGTGGGAAGAAATGACCGAGGCGGTGGAGGGC  
 CACATCACCGAGATTGTCATGCTGAACCCTGCCAACACCCGAAGCATTTC AACATGACGTCACAGG  
 AATTTGTGGAGAACTAACCAAGCGCTGAAAAGACACCCCGAGGAGACTGGAGGCTTCCAGGAGGCACC  
 ACTGGCCTATGATGCTATCTGGGCCTTGGCTTTGGCCTTGAACAAGACGCTGGAGGAGGTGGTCTTCC  
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 TATCGAGCAGCTACAGGGCGGCAGCTACAAGAAGATCGGCTACTACGACAGCACCAAGGATGATCTTTCC  
 TGGTCCAAAACGACAAGTGGATTGGAGGGTCTCCCCAGCTGACCAGACCTTGGTCATCAAGACATTCC  
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 CTGCTGTCTTTAACATCTACAACCTCCACGTTCTGTTATATCCAGAACTCCCAGCCCACTGAACAAT  
 CTGACTGCTGTGGGCTGCTCACTGGCACTGGTCTGTCTTCCCTCTCGGGCTGGATGGTTACCACATAG  
 GGAGAAGCCAGTCCCCTTTGTCTGCCAGGCCCTTTGGCTCTTGGGCTTGGGCTTGTAGTCTGGGCTA  
 TGGCTCTATGTTACCAAGATCTGGTGGGTCCACACAGTCTTACGAAGAAGGAGGAGAAGAAGGAGTGG  
 AGGAAGACCCTAGAGCCCTGAAACTCTATGCCACTGTGGGCTGCTGGTGGGCATGGATGTCCTGACTC  
 TTGCCATCTGGCAGATTGTGGACCCCTTGACCCGAACATTGAGACTTTTGCCAAGGAGGAACCAAAGGA  
 AGACATCGATGCTCCATTCTGCCCAAGTGGAGCACTGCAGCTCCAAGAAGATGAATACGTGGCTTGGC  
 ATTTTCTATGGTTACAAGGGGCTGCTGCTGCTGCTGGAATCTTTCTTGTCTTACGAAACCAAGAGCGTGT  
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 GTGTTCTCTTCTACATCACTCTGGTTGTGCTCTTTGTGCCCAAGATGCGCAGGCTGATCACCCGAGGGG  
 AATGGCAGTCTGAAACGCAGGACACCATGAAAACAGGATCATCCACCAACAACAACGAGGAAGAGAAGTC  
 CCGACTGTTGGAGAAGGAAAACCGAGAAGTGGAAAAGATCATCGCTGAGAAAGAGGAGCGCTCTGAA  
 CTGCGCCATCAGCTCCAGTCTCGGCAGCAACTCCGCTCACGGCGCACCCCAACACCCCAAGATCCCT  
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 GCTTTACAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR214313 representing NM\_031028  
 Red=Cloning site Green=Tags(s)

MLLLLLVPLFLRPLGAGGAQTPNATSEGCQIIHPPWEGGIRYRGLTRDQVKAINFLPVDYEIEYVCRGER  
 EVVGPVKVRKCLANGSWTDMTPSRCVIRICSKSYLLENGKVFLTGGDLPALD GARVEFRCDPDFHLVGSS  
 RSVCSQGWSTPKPHCQVNRTPHSERRAVYIGALFPMSSGGWPGGQACQPAVEMALEDVNSRRDILPDYEL  
 KLIHHSKCDPGQATKYL YELL YNDPIKIIILMPGCCSSVSTLVAEARMWNLIVLSYGSSSPALSNRQRF  
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 HITTEIVMLNPANTRISNMTSQEFVEKLTKRKRHPEETGGFQEAPLAYDAIWALALALNKTSGGGGRS  
 GVRLEDFNYYNQITTDQIYRAMNSSFEVSGHVVFDA SGRMAWTLIEQLQGGSYKKIGYYDSTKDDL  
 WSKTDKWIGGSPADQTLVIKTRFLSQKLFISVSVLSSLGIVLAVVCLSFNIYNHSHVRYIQNSQPNNLN  
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 RKTLEPWKLYATVGLLVGMDVLTIAIWQIVDPLHRTIETFAKEPKEDIDVSILPQLEHCSKMMNTWLG  
 IFYGYKGLLLLLGIFLAYETKSVSTEKINDHRAVGMAYNVAVLCLITAPVTMILSSQDAAFASFALAI  
 VFSSYITLVVLFVPMRRLITRGEWQSETQDTMKTGSSTNNNEEEKSRLLLEKENRELEKIIAEKEERVSE  
 LRHQLQSRQQLRSRRHPPTPPDPSGGLPRGPSEPPDRLSCDGRVHLLYK

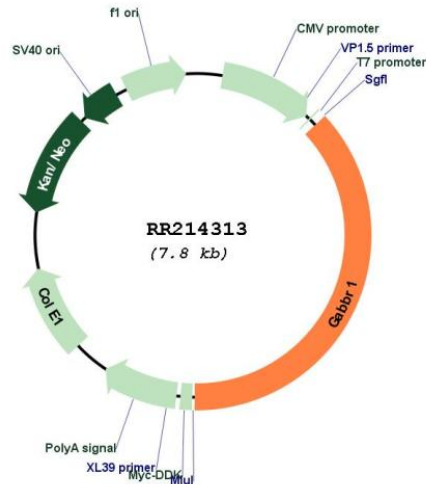
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_031028

**ORF Size:** 2880 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\\_031028.3](#), [NP\\_112290.2](#)

**RefSeq Size:** 4399 bp

**RefSeq ORF:** 2883 bp

**Locus ID:** 81657

**UniProt ID:** [Q9Z0U4](#)

**Cytogenetics:** 20p12  
**MW:** 108.2 kDa  
**Gene Summary:** metabotropic G-protein-coupled receptor for gamma-aminobutyric acid (GABA) [RGD, Feb 2006]