

Product datasheet for **RR214644**

Gabbr2 (NM_031802) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabbr2 (NM_031802) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabbr2
Synonyms:	Gpr51
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR214644 representing NM_031802
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCTTCCCGCCGAGCTCCGGCCAGCCCCGGCCGCGCCGCGCCGCGCCGCGCCGCGCCGCGCCGCGCTGCTGC
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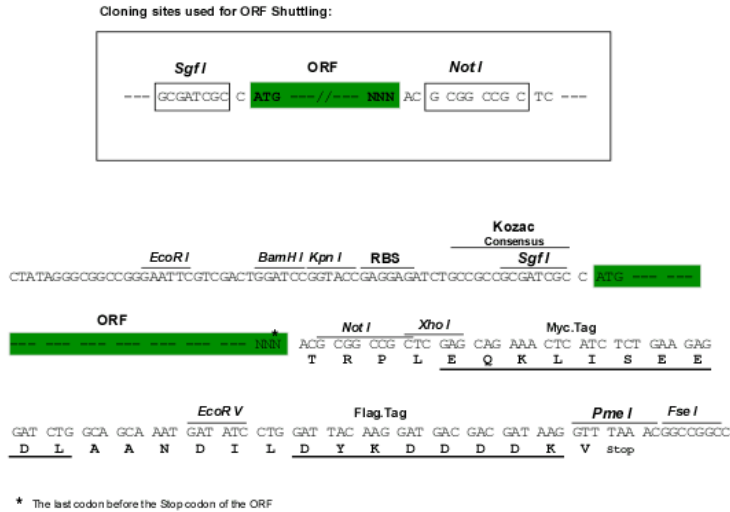
Protein Sequence: >RR214644 representing NM_031802
 Red=Cloning site Green=Tags(s)

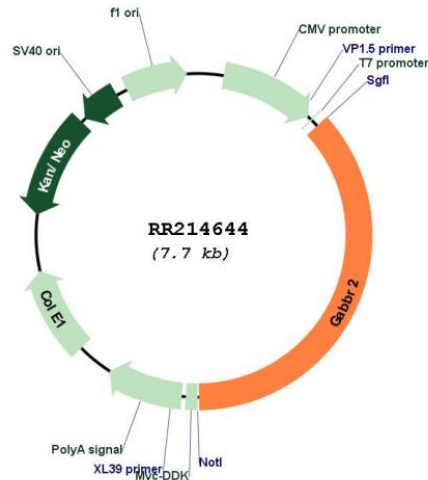
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 RMGTIKFTQFQDSREVKVGEYNAVADTLEIINDTIRFQGSPEPKDKTIILEQLRKISLPLYSILSALTIL
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 VGYTTAFGAMFAKTWRVHAIFKNVKMKKKI IKDQKLLVIVGGMLLIDLCLICWQAVDPLRRTVERYSM
 PDPAGRDISIRPILLEHCENTHMTIWLGIYVAYKGLLMLFGCFLAWETRNVSIPALNDSKYIGMSVYVNGI
 MCIIGAAVSFLTRDQPNVQFCIVALVIIFCSTITLCLVFVPKLITLRTNPDAAATQNRRFQFTQNQKKEDS
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 NFTESTDGGKAILKNHLQNPQLQWNTTEPSRTCKDPIEDINSPEHIQRRLSLQLPILHHAYLPSIGGVD
 ASCVSPCVSPTASPRHRHVPPSFRVMVSGL

TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-NotI

Cloning Scheme:



Plasmid Map:


ACCN: NM_031802

ORF Size: 2820 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_031802.1](#), [NP_113990.1](#)

RefSeq Size: 5459 bp

RefSeq ORF: 2823 bp

Locus ID: 83633

UniProt ID: [O88871](#)

Cytogenetics: 5q22

MW: 105.8 kDa

Gene Summary: combines with GABA-B1 to form functional GABA-B receptors; inhibits high voltage activated calcium ion channels [RGD, Feb 2006]