

Product datasheet for **RR212766**

Gabrp (NM_031029) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gabrp (NM_031029) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Gabrp
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212766 representing NM_031029
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCTACAGTCTCTATTTGGCCTTTGTGTGTCTGAATCTCCTCGCTCAAAGGATGTGCATCCAGGGGA
ACCAGTTCATGTGGAGGTCAGCAGAAGCGACAAGCTTTTCCTTGCCTGGATTTGAGAACCTCACTGCAGG
ATATAACAAATTCCTCAGGCCAAATTTGGTGGTGACCCAGTTTCGGATAGCGCTGACTCTGGACATCGCA
AGCATCTCTAGTATTTTCAGAGAGTAACATGGACTACACAGCCACTATATACCTCCGACAGCGCTGGACCG
ACCCACGGCTGGTGTTCGAAGGCAACAAGACTTTACTCTAGATGCCCGTCTCGTGGAGTTCCTCTGGGT
GCCAGATACTTACATCGTGGAGTCCAAGAAGTCCCTTCCTGCATGAAGTACCGGTGGGAAACAGGCTCATC
CGCCTCTTCTCCAACGGCACAGTCTTGTATGCACTCAGAATCACAACAACAGTTACATGTAACATGGATC
TGTCGAAATACCCCATGGACACACAGACCTGCAAGTTCAGCTGGAAAGTTGGGGATACGATGGCAATGA
CGTGGAGTTCCTGGCTAAGAGGGAACGATTCGGTACGTGGACTCGAAAACCTGCGCCTTGCTCAGTAC
ACCATCCAACAGTATTTACCCTGGTCACCGTATCCAGCAGGAGACAGGAAACTATACGCGTTGGTTT
TGCAATTTGAGCTTCGGAGGAATGTCCTGTATTTCACTTCTGGAAACCTACGTCCCTTCCACCTTCTGGT
GGTGTATCCTGGTCTCCTTTTGGATCTCTCGAGTCGGTTCCTGCGAGAACCTGCATTGGAGTGACA
ACAGTGTGTCCATGACAACGCTGATGATTGGCTCCCAGCATCCCTACCCAACCAACTGCTTCATAA
AGGCCATTGATGTTTACCTGGGATTTGCTTCAGCTTTGTGTTTGGGGCCTTACTGGAGTATGCAGTTGC
TCACTACAGCTCCTTACAGCAGATGGCAGTCAAAGATAGGGGGCCAGCAAAGGACTCAGAAGAAGTCAAT
ATCACCAACATCATCAACAGCTCCATCTCCAGCTTTAAACGAAAGATCAGCTTCGCCAGCATTGAAATTT
CTGGCGACAATGTCAACTACAGCGACCTGACGATGAAAGCCAGCGACAAGTTTAAAGTTTGTCTCCGAGA
AAAGATCGGCAGAATCATTGATTACTTCAAAATCCAAATCCCAGCAACGTGGATCGATATTTCAAACCTA
CTGTTTCTTTGATTTTTATGTTGGCCAATGATTTTACTGGGCATACTACATGTATTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212766 representing NM_031029
 Red=Cloning site Green=Tags(s)

MSYSLYLAFVCLNLLAQRMCIQGNQFNVEVSRSDKLSLPGFENLTAGYNKFLRPNFGGDPVRIALTLDDIA
 SISISSESNDYATIIYLRQRWDPRLVFEGNKSFTLDARLVEFLWVPDYIVESKKSFLHEVTVGNRLI
 RLFNNGTVLYALRITTTVTCNMDLSKYPMDTQTCKLQLESWGYDGNDEF SWLRGNDSVRGLENLRLAQY
 TIQQYFTLVTVSQQETGNYTRLVLQFELRRNVLYFILETYVPSTFLVVLVSWVSWFVWISLESVPARTCIGVT
 TVLSMTTLMIGSRTSLPNTNCFIKAIDVYLGICFSFVFGALLEYAVAHYSSLQQMAVKDRGPAKDSEEVN
 ITNIINSSISSFKRKISFASIEISGDNVNYSDLTMKASDKFKFVFREKIGRIIDYFTIQNPSNVDRYSKL
 LFPLIFMLANVFYWAYMYF

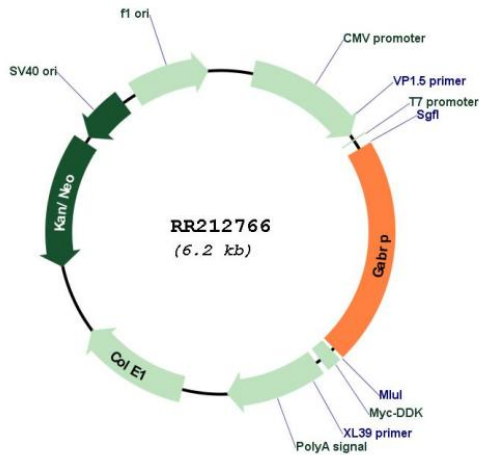
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_031029
ORF Size:	1320 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:	<ol style="list-style-type: none">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_031029.1 , NP_112291.1
RefSeq Size:	1384 bp
RefSeq ORF:	1323 bp
Locus ID:	81658
UniProt ID:	O09028
Cytogenetics:	10q12
MW:	50.5 kDa
Gene Summary:	pi subunit of the GABA-A receptor; alters the sensitivity of GABA-A receptors to modulatory agents such as allopregnanolone [RGD, Feb 2006]