

Product datasheet for **MR207000**

Gabrp (NM_146017) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrp (NM_146017) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gabrp
Synonyms:	MGC38123
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207000 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTACAGCCTCTATTTGGCCTTCCTGTGTCTGAGTCTCCTCACTCAGAGGACGTGCATCCAGGGGA
 ACCAGGTCAATGTGGAGTGCAGCAGAAGTGACAAGCTTTCCTTACCTGGCTTTGAGAACCTCACTGCAGG
 ATATAACAAATTTCTCAGGCCAAATTCGGTGGTGACCCAGTTCCGGATAGCACTGACTCTGGACATCGCC
 AGCATCTCTAGCATCTCAGAGAGTAACATGGACTACACAGCCACTATACCTCCGGCAGCGTTGGACAG
 ACCCACGGCTAGTGTTCGAAGGCAACAAGAGCTTTACTCTAGATGCCCGCCTTGTGGAGTTCCTCTGGGT
 GCCAGACACTTACATTGTAGAGTCCAAGAAGTCTTCCATGAAGTACAGTGGGAAACAGGCTCATC
 CGCCTCTTCTCCAACGGCACAGTCTGTACGCACTTAGAATCACAAACAGTTACATGTAACATGGATC
 TGTCTAAATACCCATGGACACACAGACCTGCAAGCTGCAGCTAGAAAGTTGGGGATACGATGGCAATGA
 TGTGGAGTTCCTGGCTGAGAGGGAATGACTCGGTGCGTGGACTTGAAAACCTGCGCCTTGCTCAGTAC
 ACAATCCAACAGTATTTACCCTGGTACCCTATCCCAGCAGGAGACAGGAAACTATACGAGATTGGTTT
 TGCAATTTGAGCTTCGGAGGAACGTCCTGTATTTCACTTCTGAAAACCTATGTCCCTTCCACCTTCTGGT
 GGTGTTATCCTGGGTCTCCTTTTGGATCTCCCTCGATTGAGTTCCTGCGAGAACCTGCATTGGAGTGACA
 ACGGTGTTATCCATGACAACGCTGATGATCGGCTCCCGCACATCCCTACCCAACCAACTGCTTCATAA
 AGGCCATCGATGTGTACCTAGGCATCTGCTTCACTTCTGTTTGGGGCCTTACTGGAGTATGCAGTTGC
 TCACTACAGCTCCTTACAGCAGATGGCAGTCAAAGATAGGGGGCCAGCGAAGGACTCGGAAGAAGTCAAT
 ATCACCAACATCATCAACAGCTCCATCTCCAGCTTTAAACGGAAGATTAGCTTTGCCAGCATTGAAATCT
 CTGGTGACAATGTCAACTATAGTACTTGACAATGAAAGCCAGCGACAAGTTTAAGTTTGTCTCCGAGA
 GAAGATCAGCAGAATCATTGATTATTTCAAAATTCAAAACCCAGCAATGTGGATCGATACTCAAACCTA
 CTATTTCTTTGATTTTTATGTTGGCAATGATTTTACTGGGCATACTACATGATTTT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207000 protein sequence
 Red=Cloning site Green=Tags(s)

MSYSLYLAFLLCLLLTQRTCIQGNQVNVESRSDKLSLPGFENLTAGYNKFLRPNFGGDPVRIALTLDIA
 SIISSISESNMDYTATIYLRQRWDPRLVFEGNKSFTLDARLVEFLWVPDYIVESKKSFLHEVTVGNRLI
 RLFSNGTVLYALRITTTVTCNMDLSKYPMDTQTCKLQLESWGYDGNDFEFSWLRGNDSVRGLENLRLAQY
 TIQQYFTLVTVSQQETGNYTRLVLQFELRRNVLYFILETYVPSTFLVLSWVSWIQLDSVPARTCIGVT
 TVLSMTTLMIGSRTSLPNTNCFIKAIDVYLGICFSFVFGALLEYAVAHYSSLQQMAVKDRGPAKDSEEVN
 ITNIINSSISSFKRKISFASIEISGDNVNYSDLTMKASDKFKFVFREKISRIDIYFTIQNPSNVDRYSKL
 LFPLIFMLANVFYWAYMYF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_146017

ORF Size: 1323 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_146017.1](#)
RefSeq Size: 3280 bp

RefSeq ORF: 1323 bp

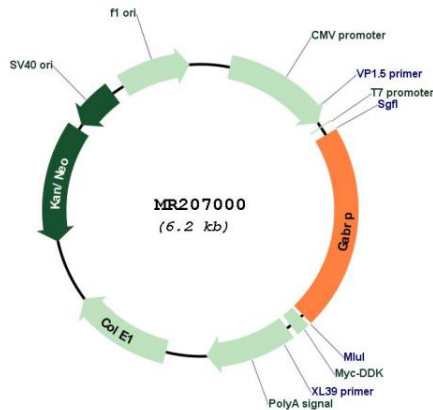
Locus ID: 216643

UniProt ID: [Q8QZW7](#)
Cytogenetics: 11 A4

MW: 50.4 kDa

Gene Summary: GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel. In the uterus, the function of the receptor appears to be related to tissue contractility. The binding of this p1 subunit with other GABA(A) receptor subunits alters the sensitivity of recombinant receptors to modulatory agents such as pregnanolone (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207000