

## Product datasheet for **MG207000**

### Gabrp (NM\_146017) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gabrp (NM_146017) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gabrp
Synonyms:	MGC38123
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207000 representing NM_146017 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAGCTACAGCCTCTATTTGGCCTTCTGTGTCTGAGTCTCCTCACTCAGAGGACGTGCATCCAGGGGA  
ACCAGGTCAATGTGGAGGTCAGCAGAAGTGACAAGCTTTCCTTACCTGGCTTTGAGAACCTCACTGCAGG  
ATATAACAAATTTCTCAGGCCAAATTCGGTGGTGACCCAGTTCGGATAGCACTGACTCTGGACATCGCC  
AGCATCTAGCATCTCAGAGAGTAACATGGACTACACAGCCACTATATACCTCCGGCAGCGTTGGACAG  
ACCCACGGCTAGTGTTCGAAGGCAACAAGAGCTTACTCTAGATGCCCGCCTTGTGGAGTTCCTCTGGGT  
GCCAGACACTTACATTGTAGAGTCCAAGAAGTCCTTCTCCATGAAGTCACAGTGGGAAACAGGCTCATC  
CGCTCTTCTCCAACGGCACAGTCTGTACGCACTTAGAATCACAAACAGTTACATGTAACATGGATC  
TGTCTAAATACCCATGGACACACAGACCTGCAAGCTGCAGCTAGAAAAGTTGGGGATACGATGGCAATGA  
TGTGGAGTTCTCTGGCTGAGAGGGAAATGACTCGGTGCGTGGACTTGAAAACCTGCGCCTTGCTCAGTAC  
ACAATCCAACAGTATTTACCCTGGTCACCGTATCCCAGCAGGAGACAGGAACTATACGAGATTGGTTT  
TGCAATTTGAGCTTCGGAGGAACGTCTGTATTTCACTTGGAAACCTATGTCCCTTCCACCTTCTGGT  
GGTGTATCCTGGGTCTCCTTTGGATCTCCCTCGATTGATTCCTGCGAGAACCTGCATTGGAGTGACA  
ACGGTGTATCCATGACAACGCTGATGATCGGCTCCCGCACATCCCTACCCAACCAACTGCTTCATAA  
AGGCCATCGATGTGTACCTAGGCATCTGCTTCACTTCTGTTGGGGCCTTACTGGAGTATGCAGTTGC  
TCACTACAGCTCCTTACAGCAGATGGCAGTCAAAGATAGGGGGCCAGCGAAGGACTCGGAAGAAGTCAAT  
ATCACCAACATCATCAACAGCTCCATCTCCAGCTTTAAACGGAAGATTAGCTTTGCCAGCATTGAAATCT  
CTGGTGACAATGTCAACTATAGTGACTTGACAATGAAAGCCAGCGACAAGTTAAGTTTGTCTTCCGAGA  
GAAGATCAGCAGAATCATTGATTATTTACAATTCAAAACCCAGCAATGTGGATCGATACTCCAAACTA  
CTATTTCTTTGATTTTTATGTTGGCCAATGATTTTTACTGGGCATACTACATGTATTTT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG207000 representing NM\_146017  
 Red=Cloning site Green=Tags(s)

MSYSLYLAFLLCLLLTQRTCIQGNQVNVESRSDKLSLPGFENLTAGYNKFLRPNFGGDPVRIALTLDDIA  
 SIISSISESNMDYTATIYLRQRWTDPRLVFEGNKSFTLDARLVEFLWVPDYYIVESKKSFLHEVTGNRLI  
 RLFNNGTVLYALRITTTVTCNMDSLKYPMDTQTCKLQLESWGYDGNDEFVSWLRGNDSVRGLENLRLAQY  
 TIQQYFTLVTVSQQETGNYTRLVQFELRRNVLYFILETYVPSTFLVVLVSWVSWIQLDSSVPARTICIGVT  
 TVLSMTTLMIGSRTSLPNTNCFIKAIDVYLGICFSVFGALLEYAVAHYSSLQQMAVKDRGPAKDSEEVN  
 ITNIINSSISSFKRKISFASIEISGDNVNYSDLTMKASDKFKFVFREKISRIDYFTIQNPSNVDRYSKL  
 LFPLIFMLANVFYWAYMYF

TRTRPLE - GFP Tag - V

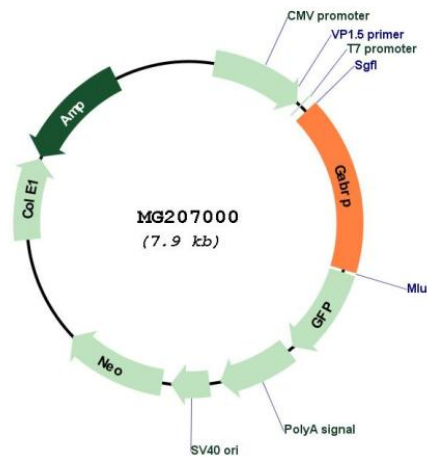
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_146017

<b>ORF Size:</b>	1320 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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_146017.1</a>
<b>RefSeq Size:</b>	3280 bp
<b>RefSeq ORF:</b>	1323 bp
<b>Locus ID:</b>	216643
<b>UniProt ID:</b>	<a href="#">Q8QZW7</a>
<b>Cytogenetics:</b>	11 A4
<b>Gene Summary:</b>	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 pl 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]