

## Product datasheet for **RR205439**

### Gabra5 (NM\_017295) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Gabra5 (NM\_017295) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Gabra5  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
Cell Selection: Neomycin  
ORF Nucleotide Sequence: >RR205439 representing NM\_017295  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACAATGGAATGCTCTCTAGATTTATCATGACAAAACGCTCCTTGTCTTCTGCATTTCCATGACCT  
TATCCAGTCACTTTGGCTTTTCACAAATGCCAACTAGTTCTGTACAAGATGAGACCAATGACAACATCAC  
AATATTCACCAGGATCTGGACGGCTCTGGATGGCTATGACAACAGACTGCGGCTGGCTGGGAGAG  
CGAATCACGCAGGTGCGAACAGACATCTATGTTACCAGCTTTGGCCAGTGTCCGACACGGAAATGGAAT  
ATACCATAGATGTATTTTCCGTCAAAGCTGGAAGATGAAAGGCTGCGGTTTAAGGGCCATGCAACG  
TCTCCCTCTCAACAACCTTCTTGCCAGGAAAATCTGGACCCAGACACATTCTCCACAATGGGAAGAAG  
TCCATTGCGCACAAATGACGACACCCAACAAGCTGCTGAGGCTGGAGGATGATGGCACACTTCTCTACA  
CCATGCGCTGACGATCTCTGCTGAGTGTCCAATGCAGCTTGAGGACTTCCGATGGATGCCATGCTTG  
TCCCCTGAAATTTGGCAGTTATGCTTACCCTAATTCGGAAGTTGTCTATGTTGGACCAATGGTTCCACC  
AAGTCTGTGGTGGTGGCAGAAGATGGCTCCAGACTCAACCAGTACCACCTCATGGGCAGACAGTAGGCA  
CTGAGAACATCAGCACCAGCACAGGTGAATATACAATCATGACTGCTCATTTCACCTGAAGAGGAAGAT  
CGGGTACTTTGTATCCAGACGTACCTTCCTGCATCATGACAGTCATCTTATCCAGGTGTCTTTTGG  
CTTAATCGAGAATCTGTCCCAGCTAGGACAGTTTTTGGAGTGACCACAGTGTGACCATGACAACCTCA  
GCATCAGTGCCCGGAATTCGCTGCCAAAGTGGCCTATGCCACAGCCATGGACTGGTTTCATTGCTGTCTG  
CTATGCATTTGTCTTCTCTGCCCTGATTGAATTTGCCACAGTCAACTACTTTACAAGAGAGGATGGGCC  
TGGGATGGCAAGAAGGCCTTGGAAAGCAGCTAAAATCAAGAAAAAGAACGTGAATCATACTAAATAAGT  
CAACAAATGCTTTTAACTGGGAAGTTGACCCATCCTCCAAACATCCCAAAGGAGCAGCTTCCAGGCGG  
GACTGGGAATGCTGTGGGTACAGCCTCAATCAGAGCATCTGAGGAGAAGACTTCTGAGAGTAAAAAGACC  
TACAACAGCATCAGCAAGATCGACAAAATGTCCCGATTGTGTTCCCATTTTGTGGCACTTTCAATC  
TAGTTTACTGGCAACATATTTGAATAGGGACCCGTGATAAAAAGGGCTACCTCTCCAAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR205439 representing NM\_017295  
 Red=Cloning site Green=Tags(s)

MDNGMLSRFIMTKLLVFCISMTLSSHFGFSQMPTSSVQDETNDNITIFTRILDGLLDGYDNLRPGLGE  
 RITQVRTDIYVTSFGPVSDTEMEYIDVFFRQSWKDERLRFKGPMLPLNLLARKIWPDTFFHNGKK  
 SIAHNMTTPNKLLRLEDDGTLTYMRLTISAECPMQLEDFPMDAHACPLKFGSYAYPNSEVVVWTNGST  
 KSVVVAEDGSRNLNQYHLMGQTVGTENISTSTGEYTIMTAHFHLKRKIGYFVIQTYLPCIMTVILSQVSWF  
 LNRESVPARTVFGVTTVLTMTTLLSISARNSLPKVAYATAMDWFIAVCYAFVFSALIEFATVNYFTKRGWA  
 WDGKKALEAAKIKKKERELILNKSTNAFTTGKLTHTPPNIPKEQLPGGTGNAVGTASIRASEEKTSESKKT  
 YNSISKIDKMSRIVFPILFGTFNLVYWATYLNREPVIKGATSPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

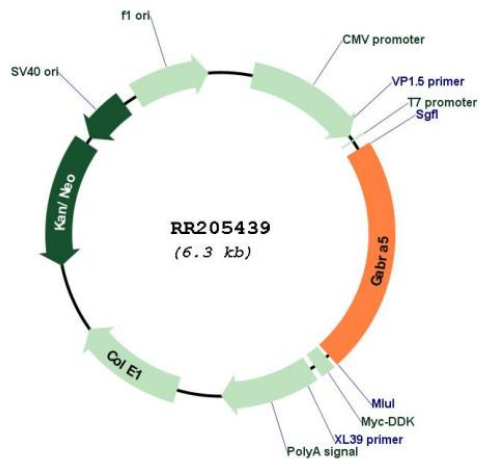
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_017295
<b>ORF Size:</b>	1392 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_017295.1</a> , <a href="#">NP_058991.1</a>
<b>RefSeq Size:</b>	2564 bp
<b>RefSeq ORF:</b>	1395 bp
<b>Locus ID:</b>	29707
<b>UniProt ID:</b>	<a href="#">P19969</a>
<b>Cytogenetics:</b>	1q22
<b>MW:</b>	52.4 kDa
<b>Gene Summary:</b>	subunit of the GABAA receptor; may be part of distinct GABAA receptors within the olfactory bulb [RGD, Feb 2006]