

Product datasheet for **RN205439**

Gabra5 (NM_017295) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabra5 (NM_017295) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gabra5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN205439 representing NM_017295
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACAATGGAATGCTCTCTAGATTTATCATGACCAAAACGCTCCTTGTCTTCTGCATTTCCATGACCT
 TATCCAGTCACTTTGGCTTTTCACAAATGCCAACTAGTTCTGTACAAGATGAGACCAATGACAACATCAC
 AATATTCACCAGGATCTTGGACGGCTCTTGGATGGCTATGACAACAGACTGCGGCTGGGCTGGGAGAG
 CGAATCACGCAGGTGCGAACAGACATCTATGTTACCAGCTTTGGCCAGTGTCCGACACGGAAATGGAAT
 ATACCATAGATGATTTTTCCGTCAAAGCTGAAAGATGAAAGGCTGCGGTTAAGGGCCATGCAACG
 TCTCCCTCTCAACAACCTTCTTGCAGGAAAATCTGGACCCAGACACATTCTTCCACAATGGGAAGAAG
 TCCATTGCGCACAAATGACGACACCCAACAAGCTGCTGAGGCTGGAGGATGATGCCACACTTCTTACA
 CCATGCGCCTGACGATCTCTGCTGAGTGTCCAATGCAGCTTGAGGACTTCCGATGGATGCCATGCTTG
 TCCCTGAAATTTGGCAGTTATGCTTACCCTAATTCGGAAGTTGTCTATGTTTGGACCAATGGTTCCACC
 AAGTCTGTGGTGGTGGCAGAAGATGGCTCCAGACTCAACCACTACCATGGGGCAGACAGTAGGCA
 CTGAGAACATCAGCACCAGCACAGGTGAATATAACAATCATGACTGCTCATTTTCCCTGAAGAGGAAGAT
 CGGGTACTTTGTCATCCAGACGTACCTTCCCTGCATCATGACAGTCATCTTATCCAGGTGCTTTTTGG
 CTTAATCGAGAATCTGTCCCAGCTAGGACAGTTTTTGGAGTGACCACAGTGTGACCATGACAACCTCA
 GCATCAGTGCCCGGAATTCGCTGCCAAAGTGGCTATGCCACAGCCATGGACTGGTTTATTGCTGTCTG
 CTATGCATTTGTCTTCTGCCCATTGGAATTTGCCACAGTCACTACTTTACAAGAGAGGATGGGCC
 TGGGATGGCAAGAAGCCCTTGAAGCAGCTAAAATCAAGAAAAAGAAGTGAACATCACTAAATAAGT
 CAACAAATGCTTTTACAACCTGGGAAGTTGACCCATCCTCCAACATCCCAAGGACAGCTCCAGGCGG
 GACTGGGAATGCTGTGGGTACAGCCTCAATCAGAGCATCTGAGGAGAAGACTTCTGAGAGTAAAAAGACC
 TACAACAGCATCAGCAAGATCGACAAAATGTCCCGGATTGTGTTCCCATTTTGTGGCACTTTCAATC
 TAGTTTACTGGCAACATATTTGAATAGGGAGCCCGTGATAAAAGGGCTACCTCTCCAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3259_c11.zip

Restriction Sites: SgfI-MluI

ACCN: NM_017295

Insert Size: 1395 bp

OTI Disclaimer: 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 custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_017295.1](#), [NP_058991.1](#)

RefSeq Size: 2564 bp

RefSeq ORF: 1395 bp

Locus ID: 29707

UniProt ID: [P19969](#)

Cytogenetics: 1q22

Gene Summary: subunit of the GABAA receptor; may be part of distinct GABAA receptors within the olfactory bulb [RGD, Feb 2006]