

Product datasheet for **RN203113**

Gabra1 (NM_183326) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gabra1 (NM_183326) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Gabra1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN203113 representing NM_183326
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAAAAGTCGGGGTCTCTCTGACTATCTTTGGGCCTGGACCCTCATTCTGAGCACTCTCTCGGGAA
 GAAGCTATGGACAGCCCTCCAAGATGAACTTAAGGACAACACCACTGTCTTACGAGGATTTGGACCG
 ACTGCTGGATGGTTATGACAATCGTCTGAGACCAGGCTTGGGAGAGCGTGAAGTGAAGACGGAC
 ATCTTTGTCAACAGTTTCGGACCCGTGTGAGACCAGCATATGGAATATACAATAGATGTGTTTTCCGCC
 AAAGCTGGAAGGATGAAAGATTAATAAATCAAAGGACCCATGACAGTGTCCGGCTGAACAACCTGATGGC
 CAGTAAAACTGGACTCCAGATACATTTTTCCACAATGGAAAAAGTCTGTGGCCCAACATGACCATG
 CCCAATAAACTCCTGCGTATCACAGAGGATGGCACACTGCTGTACACCATGAGGTTGACTGTGAGAGCCG
 AATGCCCCATGCACTTAGAAGACTTTCCCATGGATGCCCATGCCCTGCCCACTAAAATTTGGGAGCTATGC
 TTATACAAGAGCAGAAGTTGTCTATGAGTGGACAAGGGAGCCAGCCCGCTCAGTGGTTGTGCAGAAAGT
 GGGTCACGTTTAAACCAGTATGACCTTCTTGGGCAACAGTTGACTCTGGAATTGTTTCAGTCCAGTACTG
 GAGAATATGTGGTTATGACGACTCACTTCACTTGAAGAGAAAAATCGGCTACTTTGTTATTCAAACATA
 TCTGCCATGCATAATGACAGTCATTCTCTCCCAAGTCTCCTTCTGGCTTAACAGAGAGTCAGTACCAGCA
 AGAACTGTCTTTGGAGTGACGACCGTTCTGACCATGACAACCTTGAGTATCAGTCCAGAAATTCCTCTCC
 CAAAGGTGGCTTATGCAACGGCCATGGACTGGTTTATTGCAAGTGTGCTATGCCTTCGTGTCTCGGCTCT
 GATTGAGTTTGCCACAGTAACTATTTCAACAAGAGGGTATGCGTGGGATGGCAAAAGCGTGGTTCCA
 GAAAAGCCAAAGAAAGTGAAGGATCCTCTCATTAAAGAAAAACAACACATATGCTCCTACAGCAACCAAGT
 ATACCCCTAAGTACCCAGGGGTGACCCCGGCTTGGCAACTATTGCTAAAAGTGGCACTAGAACCGAA
 AGAAGTCAAGCCTGAGACAAAACCGCCAGAACCAAGAAAAACCTTAAACAGCGTCAGCAAAATCGACCGA
 CTGTCAAGAATAGCCTTTCCGCTGCTATTTGGAATCTTTAACTTAGTCTATTGGGCCACGTATTTAAACA
 GAGAGCCTCAGCTAAAAGCCCCACACCCCATCAATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2528_f04.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_183326

Insert Size: 1368 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.

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](#)

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_183326.2 , NP_899155.1
RefSeq Size:	3637 bp
RefSeq ORF:	1368 bp
Locus ID:	29705
UniProt ID:	P62813
Cytogenetics:	10q21
Gene Summary:	subunit of GABAA receptors, which bind benzodiazepines and act as inhibitory ion channels in the brain [RGD, Feb 2006]