

Product datasheet for **RR203113**

Gabra1 (NM_183326) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR203113 representing NM_183326
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAAAAGTCGGGGTCTCTGACTATCTTTGGCCTGGACCCTATTCTGAGCACTCTCTCGGGAA
 GAAGCTATGGACAGCCCTCCAAGATGAACTTAAGGACAACACCACTGTCTTCACGAGGATTTGGACCG
 ACTGCTGGATGGTTATGACAATCGTCTGAGACCAGGCTTGGGAGAGCGTGAAGTGAAGACGGAC
 ATCTTTGTCAACAGTTTCGGACCCGTGTGAGACCAGCATATGGAATATACAATAGATGTGTTTTCCGCC
 AAAGCTGGAAGGATGAAAGATTAATCAAAAGGCCATGACAGTGTCCGGCTGAACAACCTGATGGC
 CAGTAAAACTGGACTCCAGATACATTTTCCACAATGGAAAAAGTCTGTGGCCCAACATGACCATG
 CCCAATAAACTCCTGCGTATCACAGAGGATGGCACACTGCTGTACACCATGAGGTGACTGTGAGAGCCG
 AATGCCCATGCACTTAGAAGACTTTCCATGGATGCCCATGCCCTGCCACTAAAATTTGGGAGCTATGC
 TTATACAAGAGCAGAAGTTGTCTATGAGTGGACAAGGGAGCCAGCCCGCTCAGTGGTTGTGCAGAAAGT
 GGGTCACGTTTAAACCAGTATGACCTTCTTGGCAAAACAGTTGACTCTGGAATTGTTTCAGTCCAGTACTG
 GAGAATATGTGGTTATGACGACTCACTTCACTTGAAGAGAAAAATCGGCTACTTTGTTATTCAAACATA
 TCTGCCATGCATAATGACAGTCATTCTCTCCCAAGTCTCCTTCTGGCTTAACAGAGAGTCAGTACCAGCA
 AGAACTGTCTTTGGAGTGACGACCGTTCTGACCATGACAACCTTGAGTATCAGTCCAGAAAATCCCTCC
 CAAAGGTGGCTTATGCAACGGCCATGGACTGGTTTATTGCAAGTGTGCTATGCCTTCGTGTTCTCGGCTCT
 GATTGAGTTTCCACAGTAACTATTTCCACAAGAGGGTATGCGTGGGATGGCAAAAGCGTGGTTCCA
 GAAAAGCCAAAGAAAGTGAAGGATCCTCTCATTAAAGAAAAACAACACATATGCTCCTACAGCAACCAGT
 ATACCCCTAACTTAGCCAGGGGTGACCCCGCTGGCAACTATTGCTAAAAGTGGACCATAGAACCAGAA
 AGAAGTCAAGCCTGAGACAAAACCGCCAGAACCAAGAAAAACCTTAAACAGCGTCAAGAAAATCGACCGA
 CTGTCAAGAATAGCCTTTCCGCTGCTATTTGGAATCTTAACTTAGTCTATTGGCCACGTATTTAAACA
 GAGAGCCTCAGCTAAAAGCCCCACACCCCATCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203113 representing NM_183326
 Red=Cloning site Green=Tags(s)

MKKSRLSDYLWAWTLILSTLSGRSYGQPSQDELKDNTTFVTRILDRLLDGYDNRLRPGLGERVTEVKTD
 IFVTSFGPVSDHMEYIDVFFRQSWKDERLKFKGPMTVLRLNNLMASKIWPDTFFHNGKKSVAHNMTM
 PNKLLRITEDGTLTYMRLTVRAECPMHLEDFPMDAHACPLKFGSYAYTRAEVVYEWTPARSVVVAED
 GSRLNQYDLLGQTVDSGIVQSSTGEYVMTTHFHLKRKIGYFVIQTYLPCIMTVILSQVSWFLNRESVPA
 RTVFGVTTVLTMTTLLSISARNSLPKVAYATAMDWFIACVYAFVFSALIEFATVNYFTKRGYAWDGKSVVP
 EKPVKVDPLIKKNNTYAPTATSYTPNLARGDPGLATIAKSATIEPKVKPETKPPKPTFNSVSKIDR
 LSRIAFPLLFGIFNLVYWATYLNREPQLKAPTHQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_183326

ORF Size: 1365 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](#)

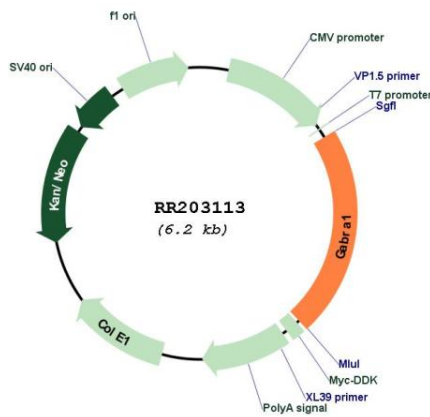
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_183326.2, NP_899155.1](#)
RefSeq Size: 3637 bp
RefSeq ORF: 1368 bp
Locus ID: 29705
UniProt ID: [P62813](#)
Cytogenetics: 10q21
MW: 51.8 kDa
Gene Summary: subunit of GABAA receptors, which bind benzodiazepines and act as inhibitory ion channels in the brain [RGD, Feb 2006]

Product images:



Circular map for RR203113