

## Product datasheet for **SC330500**

### **GABRR1 (NM\_001256703) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** GABRR1 (NM\_001256703) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** GABRR1  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330500 representing NM\_001256703.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTTGGCTGTCCAAATATGAGATTTGGCATCTTTCTTTTGTGGTGGGGATGGGTTTTGGCCACTGAA  
AGCAGAATGCACTGGCCCGGAAGAGAAGTCCACGAGATGTCTAAGAAAGGCAGCCCAATTCTGAGACGA  
AGTCTGACATCACCAATCGCCTCTGACAAAGTCAGAACAGCTTCTGAGGATAGATGACCATGATTTT  
AGCATGAGGCCTGGCTTTGGAGGCCCTGCCATTCCTGTTGGTGTGGATGTGCAGGTGGAGAGTTGGAT  
AGCATCTCAGAGGTTGACATGGACTTTACGATGACCCTCTACCTGAGGCACTACTGGAAGGACGAGAGG  
CTGTCTTTTCCAAGCACCAACAACCTCAGCATGACGTTTGACGGCCGGCTGGTCAAGAAGATCTGGGTC  
CCTGACATGTTTTTCTGCACTCCAAACGCTCCTTCATCCACGACACCACCACAGACAACGTCATGTTG  
CGGGTCCAGCCTGATGGGAAAGTGCTCTATAGTCTCAGGGTTACAGTAAGTCAATGTGCAACATGGAC  
TTCAGCCGATTTCCCTTGGACACACAAACGTGCTCTTTGAAATTGAAAGCTATGCCTATACAGAAGAT  
GACCTCATGCTGTACTGGAAAAAGGGCAATGACTCCTTAAAGACAGATGAACGGATCTCACTCTCCAG  
TTCCTCATTAGGAATTCACACCACCACCAAACTGGCTTTCTACAGCAGCACAGGCTGGTACAACCGT  
CTCTACATTAATTTACGTTGCGTCGCCACATCTTCTTCTTCTGCTCCAACTTATTTCCCGCTACC  
CTGATGGTCATGCTGTCTGGGTGTCCTTCTGGATCGACCGCAGAGCCGTGCCTGCCAGAGTCCCCTTA  
GGTATCACAACGGTGCTGACCATGTCCACCATCATCACGGCGTGAATGCCTCCATGCCGCGCTCTCC  
TACATCAAGGCCGTGGACATCTACCTCTGGGTGAGCTTTGTGTTCTGTTCTCTCGGTGCTGGAGTAT  
GCGGCCGTCAACTACCTGACCACTGTGACGAGAGGAAGGAACAGAAGCTGCGGGAGAAGCTTCCCTGC  
ACCAGCGGATTACCTCCGCCCGCACTGCGATGCTGGACGGCAACTACAGTGATGGGGAGGTGAATGAC  
CTGGACAACATACATGCCAGAGAAATGGAGAGAAGCCCGACAGGATGATGGTGCAGCTGACCTGGCCTCA  
GAGAGGAGCTCCCCACAGAGGAAAAGTCAGAGAAGCAGCTATGTGAGCATGAGAATCGACACCCACGCC  
ATTGATAAATACTCCAGGATCATCTTTCCAGCAGCATACATTTTATTCAATTTAATACTGGTCTATT  
TTCTCC**AG**

**Restriction Sites:** SgfI-MluI  
**ACC�:** NM\_001256703  
**Insert Size:** 1389 bp



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**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](mailto: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:**

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\\_001256703.1](#)

**RefSeq Size:** 3123 bp

**RefSeq ORF:** 1389 bp

**Locus ID:** 2569

**UniProt ID:** [P24046](#)

**Cytogenetics:** 6q15

**Protein Families:** Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane

**Protein Pathways:** Neuroactive ligand-receptor interaction

**MW:** 53.7 kDa

**Gene Summary:** GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA receptors, which are ligand-gated chloride channels. GABRR1 is a member of the rho subunit family. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.