

Product datasheet for **SC330500**

GABRR1 (NM_001256703) Human Untagged Clone

Product data:

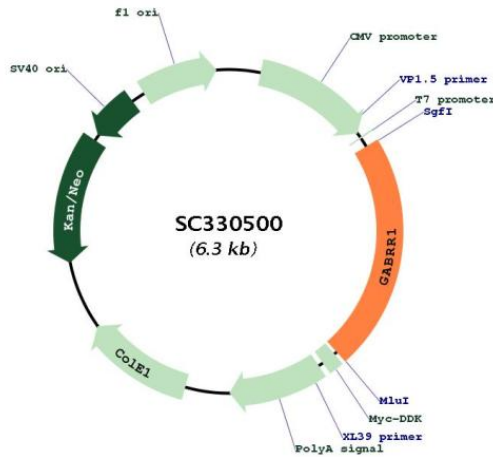
Product Type: Expression Plasmids
Product Name: GABRR1 (NM_001256703) Human Untagged Clone
Tag: Tag Free
Symbol: GABRR1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330500 representing NM_001256703.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGTTGGCTGTCCAAATATGAGATTTGGCATCTTTCTTTTGGTGGGGATGGGTTTTGGCCACTGAA
AGCAGAAATGCACTGGCCCGGAAGAGAAGTCCACGAGATGTCTAAGAAAGGCAGCCCAATTCTGAGACGA
AGTCTGACATCACCAATCGCCTCTGACAAAGTCAGAACAGCTTCTGAGGATAGATGACCATGATTTT
AGCATGAGGCCTGGCTTTGGAGGCCCTGCCATTCCTGTTGGTGTGGATGTGCAGGTGGAGAGTTGGAT
AGCATCTCAGAGTTGACATGGACTTTACGATGACCCTCTACCTGAGGCACTACTGGAAGGACGAGAGG
CTGTCTTTTCCAAGCACCAACAACCTCAGCATGACGTTTGACGGCCGGCTGGTCAAGAAGATCTGGGTC
CCTGACATGTTTTTCGTGCACTCCAACGCTCCTTCATCCACGACACCACCACAGACAACGTCATGTTG
CGGGTCCAGCCTGATGGGAAAGTCTCTATAGTCTCAGGGTTACAGTAACTGCAATGTGCAACATGGAC
TTCAGCCGATTTCCCTTGGACACACAAACGTGCTCTCTTGAATTTGAAAGCTATGCCTATACAGAAGAT
GACCTCATGCTGTACTGGAAAAAGGCAATGACTCCTTAAAGACAGATGAACGGATCTCACTCTCCAG
TTCCTCATTAGGAATTCACACCACCACAACTGGCTTTCTACAGCAGCACAGGCTGGTACAACCGT
CTCTACATTAATTTACGTTGCGTGCACATCTTCTTCTTCTGCTCCAACTTATTTCCCGCTACC
CTGATGGTCATGCTGTCTGGGTGCTCTTCTGGATCGACCGCAGAGCCGTCCTGCCAGAGTCCCCTTA
GGTATCACAACGGTGCTGACCATGTCCACCATCATCACGGCGTGAATGCCTCCATGCCGCGCTCTCC
TACATCAAGGCCGTGGACATCTACCTCTGGGTACGCTTTGTGTTGTTCTCTCGGTGCTGGAGTAT
GCGGCCGTCAACTACCTGACCACTGTGCAGGAGAGGAAGGAACAGAAGCTGCGGGAGAAGCTTCCCTGC
ACCAGCGGATTACCTCCGCCCGCACTGCGATGCTGGACGGCAACTACAGTATGGGGAGGTGAATGAC
CTGGACAACACTACATGCCAGAGAAATGGAGAGAAGCCCGACAGGATGATGGTGCAGCTGACCCTGGCTCA
GAGAGGAGCTCCCACAGAGGAAAAGTCAGAGAAGCAGCTATGTGAGCATGAGAATCGACACCCACGCC
ATTGATAAATACTCCAGGATCATCTTTCCAGCAGCATACATTTTATTCAATTTAATACTGGTCTATT
TTCTCCTAG
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001256703

Insert Size: 1389 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_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:	<p>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]</p> <p>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.</p> <p>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.</p>