

Product datasheet for **SC327871**

GABRR1 (NM_002042) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRR1 (NM_002042) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABRR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002042 edited
 GGACACAGGAATTC AACCTCAGTTCAGAAAAATCCCTGACATCTGACGTAGGAGGATTTAT
 AGGTTTAGTGGAATTCCTTCTCCTGCTCCTCAGATTGCATCCTGTGGGTTGATTTTTT
 TTTTGCATGAGTAAACATCCTTCTAATAATGAACAGACCAATAATGTCTTAAGAGAGAAA
 AAGAACAATCTTTTCTTTTCTGCTGTTTCTGGAGAGAGCTGTTGAATTTGAAACCCAT
 GTTGGCTGTCCCAAATATGAGATTTGGCATCTTTCTTTTGTGGTGGGGATGGGTTTTGGC
 CACTGAAAGCAGAATGCACTGGCCGGAAGAGAAGTCCACGAGATGTCTAAGAAAGGCAG
 GCCCAAAGACAAAGACGAGAAGTACATGAAGATGCCCAAGCAAGTCAGCCCAATTCT
 GAGACGAAGTCCCTGACATCACCAATCGCCTCTGACAAAGTCAGAACAGCTTCTGAGGAT
 AGATGACCATGATTT CAGCATGAGGCTGGCTTTGGAGGCCCTGCCATTCTGTTGGTGT
 GGATGTGCAGGTGGAGAGTTGGATAGCATCTCAGAGGTTGACATGGACTTTACGATGAC
 CCTCTACCTGAGGCACTACTGGAAGGACGAGAGGCTGTCTTTTCCAAGCACCAACAACCT
 CAGCATGACGTTTGATGGCCGGCTGGTCAAGAAGATCTGGGTCCCTGACATGTTTTTCGT
 GCACTCCAAACGCTCCTTCATCCAGACACCACCACAGACAACGTCATGTTGCGGGTCCA
 GCCTGATGGGAAAGTGCTCTATAGTCTCAGGGTTACAGTAACTGCAATGTGCAACATGGA
 CTT CAGCCGATTTCCCTTGGACACACAAACGTGCTCTCTTGAAATTGAAAGCTATGCCTA
 TACAGAAGATGACCTCATGCTGTACTGGAAAAAGGGCAATGACTCCTTAAAGACAGATGA
 ACGGATCTCACTCTCCAGTTCCCTCATT CAGGAATTCACACCACCACCAAACTGGCTTT
 CTACAGCAGCACAGGCTGGTACAACCGTCTCTACATTAATTTACGTTGCGTCGCCACAT
 CTTCTTCTTCTGCTCCAAACTATTTCCCGCTACCCTGATGGTCATGCTGTCTGGGT
 GTCCTTCTGGATCGACCCGAGCCGCTGCCAGAGTCCCCTTAGGTATCACAAACGGT
 GCTGACCATGTCCACCATCATCACGGGCGTGAATGCCTCCATGCCGCGCTCTCTACAT
 CAAGGCCGTGGACATCTACCTCTGGTCACTTTGTGTTGCTGTTCTCTCGGTGCTGGA
 GTATGCGGCCGTC AACTACCTGACCACTGTGCAGGAGAGGAAGGAACAGAAGCTGCGGGA
 GAAGCTTCCCTGCACCAGCGATTACCTCCGCCCGCACTGCAATGCTGGACGGCAACTA
 CAGTGATGGGGAGGTGAATGACCTGGACAACTACATGCCAGAGAATGGAGAGAAGCCGA
 CAGGATGATGGTGCAGCTGACCTGGCCTCAGAGAGGAGCTTCCACAGAGGAAAAGTCA
 GAGAAGCAGCTATGTGAGCATGAGAATCGACACCCACGCCATTGATAAACTCCAGGAT
 CATCTTTCCAGCAGCATACATTTTATTCAATTTAATACTGGTCTATTTTCTCCTAGAT
 GCTTGTAATTTACAAAATTTACATTTCCATGGCATGCACTACAGAAAATAACTGTATAAT
 GAAAAAGTATTTAAGGATATGGTTAAAAAAAATCCCAGGACCCACCCATGTTTTACTA
 TCCTTCTGCAGCTTTCCAAAGCTACATTGACGAGACACTTACTGGTTTAAATTTGCACTT
 ATTAACCATCTATTGAATACACAGCATTATATTAGGTGCTGCAGGAAATACGACACTGTA
 GCGACTGATGTTAGTTGTTACCCAGATCCCCTGGAAAAGCACACTACCAGTGTGTTGGGC
 ACATTTAGTTCCACCCGTTAGACCCTTGATGCTATTACATGAATAATTTATTTCTCA
 AGTGTCATTACATTGTT CAGGCTACGTGAACCTTGGAAAGCACCTACAGGCCATTTGCATGA
 AATTCACATGCACCTAAATCCTCACTTTGACAGAACTCATGCTTCAGTTATAACCTAT
 TACCTATTTTGTATGCGACTCCACCTCCGCATGTTTATTTTAAATAAAAGGCAATGATAAC
 ATTCAAAAAAAACAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002042

Insert Size: 3174 bp

OTI Disclaimer: 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).

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_002042.3.

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:	<u>NM_002042.3</u> , <u>NP_002033.2</u>
RefSeq Size:	3174 bp
RefSeq ORF:	3174 bp
Locus ID:	2569
UniProt ID:	<u>P24046</u>
Cytogenetics:	6q15
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
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 (1) encodes the longest 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.</p>