

Product datasheet for **SC317820**

GABRR2 (NM_002043) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GABRR2 (NM_002043) Human Untagged Clone
Tag: Tag Free
Symbol: GABRR2
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_002043, the custom clone sequence may differ by one or more nucleotides

```
ATGGTCAAGCCAGGGGGATTTGCTCTGCCACAGGCTACTGAAAAGCAGCTTTTTGCCTC
ACAGATGTCCACAAAATGCCTTATTTTACAAGACTCATTTTGTCTTGTTTTGTCTTGATG
GTTCTCGTGGAGAGCAGAAAACCAAGAGGAAGCGATGGACAGGGCAGGTGGAAATGCC
AAGCCAAGTCACTTATATAAGAAGAACCTTGATGTGACCAAGATCCGGAAGGGAAAGCCT
CAGCAGCTTCTCAGAGTGGACGAGCAGCACTTCAGCATGAGACCCGCCTTCGGAGGCCCT
GCCATCCCGTGGGCGTGGACGTACAGGTGGAGAGCCTGGACAGCATCTCCGAGGTGGAC
ATGGACTTCACTATGACCCTGTACCTGCGGCATTACTGGAAGGATGAGAGGCTAGCTTTC
TCCAGCGCCAGCAACAAGAGCATGACCTTCGATGGCCGGCTGGTGAAGAAGATCTGGGTC
CCTGATGTCTTTTGTCTCACTCCAAAAGATCGTTCACCTCATGACACCACCACTGACAAC
ATCATGCTGAGGGTGTCCAGATGGACACGTGCTGTACAGCATGAGGATTACGGTCACT
GCCATGTGCAACATGGACTTCAGCCACTTTCCCTGGACTCCCAGACCTGTTCTTTGGAG
CTGGAGAGCTATGCCTATACAGATGAAGATCTAATGCTGTACTGGAAGAATGGGGATGAA
TCCCTAAAACAGATGAGAAGATCTCCTTGTCTCAGTTTCTGATTGAGAAATTTACACA
ACTTCCAGGCTGGCCTTCTACAGCAGCACTGGCTGGTACAACCGTCTGTACATTAACCTC
ACGTTGCGTCGACACATCTTCTTCTTCTGCTCCAACATATTTCCCTGCCACTCTGATG
GTCATGCTGTCCCTGGGTGCCTTCTGGATCGACCGCAGAGCTGTGCCTGCCAGAGTTTCA
CTGGGTATCACGACGGTCTGACCATGACCACCATCATCACGGGCGTGAATGCCTCCATG
CCGCGCGTCTCCTACGTCAAGGCGTGGACATCTACCTCTGGGTGAGCTTTGTGTTGCTG
TTCTCTCGGTGCTGGAGTATGCGGCTGTCAACTACCTGACCACCGTGCAGGAGCGCAAG
GAACGGAAGCTGCGGGAGAAGTTCCCGTGCATGTGTGGAATGCTTCAATCAAAAACCATG
ATGCTGGATGGAAGCTACAGTGAAGTCTGAGGCCAACAGCCTGGCTGGGTACCCAGAAAGC
CATATCCTGACAGAAGAAGAAAGGCAAGACAAAATAGTGGTCCACCTGGGCTGAGTGGT
GAAGCCAACGCTGCCAGAAAGAAGGGGCTTCTGAAGGGCCAGACGGGTTTTCGTATCTTC
CAGAATACCCATGCCATTGACAAAATACTTAGGTTGATATTCCTGCCTCCTACATATTT
TTCAACTTAATTTATTGGTCAGTGTTTTCC
```

Restriction Sites: Please inquire
ACCN: NM_002043
Insert Size: 4754 bp



[View online »](#)

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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_002043.2 , NP_002034.2
RefSeq Size:	4754 bp
RefSeq ORF:	1473 bp
Locus ID:	2570
UniProt ID:	P28476
Cytogenetics:	6q15
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA receptors, which are ligand-gated chloride channels. The protein encoded by this gene is a member of the rho subunit family and is a component of the GABA type A receptor complex. This gene exists on chromosome 6q next to the gene encoding the rho 1 subunit of the GABA type A receptor, in a region thought to be associated with susceptibility for psychiatric disorders and epilepsy. Polymorphisms in this gene may also be associated with alcohol dependence, and general cognitive ability. [provided by RefSeq, Apr 2016]