

Product datasheet for **SC313609**

GABRG3 (NM_033223) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRG3 (NM_033223) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABRG3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_033223 edited

```

ATGGCCCCGAAGCTGCTGCTCCTCCTCTGCCTGTTCTCGGGCTTGACCGCGGTCCAGA
AAGGTGGAAGAGGATGAATATGAAGATTCATCATCAAACCAAAAGTGGGTCTTGCTCCA
AAATCCCAAGACACCGAGCTGACTCTTATTCTCAACAAGTTGCTAAGAGAATATGATAAA
AAGCTGAGGCCAGATATTGGAATAAAACCGACCGTAATTGACGTTGACATTTATGTTAAC
AGCATTGGTCTGTGTCATCAATAAACATGGAATACCAAATTGACATATTTTTTGCTCAG
ACCTGGACAGATAGTCGCCTTCGATTCAACAGCACAAATGAAAATCTTACTCTGAACAGC
AACATGGTGGGGTTAATCTGGATCCCAGACACCATCTCCGCAATTCTAAAACCGCAGAG
GCTCACTGGATCACCACACCCAATCAGCTCCTCCGGATTGGAATGACGGGAAAAATCCTT
TACACTTTGAGGCTCACCATCAATGCTGAGTGCCAGCTGCAGCTGCACAACCTCCCCATG
GACGAACACTCCTGCCCGCTGATTTTCTCCAGCTATGGCTATCCCAAAGAAGAAATGATT
TATAGATGGAGAAAAAATTCAGTGGAGGCAGCTGACCAGAAATCATGGCGGCTTTATCAG
TTTGACTTCATGGGCCTCAGAAACACCACAGAAATCGTGACAACGTCTGCAGGTGATTAT
GTTGTCATGACTATATATTTGAATTGAGTAGAAGAATGGGATACTTCACCATTCAGACA
TACATTCCTGTATACTGACTGTGGTTTTATCCTGGGTGCATTTTGGATCAAAAAGAT
GCTACGCCAGCAAGAACAGCATTAGGCATCACCACGGTGTGACCATGACCACCTGAGC
ACCATCGCCAGGAAGTCCTTGCCACGCGTGTCTACGTGACCGCCATGGACCTTTTTGTG
ACCGTGTGCTTCTGTTTGTCTTCGCCGCGCTGATGGAGTATGCCACCCTCAACTACTAT
TCCAGCTGTAGAAAACCAACCACCAGAAAGAACAACATCGTTACTACATCCAGATTCC
TCAAGATGGATTCTGAGCGAATAAGCCTACAAGCCCCTTCCAATATTCCCTCCTGGAC
ATGAGGCCACCACCAACTGCGATGATCACTTTAAACAATTCGGTTTACTGGCAGGAATTT
GAAGATACCTGTGTCTATGAGTGTCTGGATGGCAAAGACTGTCAGAGCTTCTTCTGCTGC
TATGAAGAATGTAATCAGGATCCTGGAGGAAAGGGCGTATTACATAGACATCTGGAG
CTGGACTCGTACTCCCGGTCTTTTTCCACGTCCTTCTGCTTTAACCTGGTCTAC
TGGGTTGGATACCTGTATCTCTAA

```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033223 unedited GTCAGATTAGGTATACGACTTATATAGGCGGCCGCGNAATTCGCACGAGGGCCGCCCGGT TGCGCGGACCGGCGCTAGTGC CGGGTGGGGCGGCGCGCGCGGTGGCCCGCGTCCCG TGTGCGTCCAGTGTGCGCCCCGCGGGGGCGCGGCCAGCGCCAGAGTAGATACCTGTCCCG CCCCCGCGGCCAGCAGCCTCGGAGGAAGCCAGGGCAAAGAGGGCCGGCGGAGACCAGGT CCGCGCCGGAGGAAGCCGCGCCCGGCGAGGCCCGGACCCTGCGCCCCGAGCTCCACGG CACCATGGCCCCGAAGCTGCTGCTCCTCCTGCTGTTCTCGGGCTTGACGCGCGGTG CAGAAAGGTGGAAGAGGATGAATATGAAGATTCATCATCAAACAAAAGTGGGTCTTGGC TCCAAAATCCCAAGACACCGACGTGACTCTTATTCTCAACAAGTTGCTAAGAGAATATGA TAAAAAGCTGAGGCCAGATATTGGAATAAAACCGACCGTAATTGACGTTGACATTATGT TAACAGCATTGGTCTGTGTCATCAATAAACATGGAATACCAAATTGACATATTTTTTGC TCAGACCTGGACAGATAGTCGCTTCGATTCAACAGCACAATGAAAATTCTTACTCTGAA CAGCAACATGGTGGGTTAATCTGGATCCAGACACCATCTTCCGCAATTCTAAAACCGC AGAGGCTCACTGGATCACCACACCCAATCAGCTCTNCGGATTTGGAATGACGGNAAAAA CCTTTACTTTGAGGCTCACCATCAATGCTGAGTGCCAGCTGCAGCTGCACAATTCCC ATGGACGAACACTTCTGCCCGCTGATTNTCTCCAGCTTGCTATCCNAAGGAGAAATGA TTATTAGTTGAGAAAAAATTCATGGAGCAGCTGACCANAATNATGGCGGGTTTATAGTT
Restriction Sites:	NotI-NotI
ACCN:	NM_033223
Insert Size:	3700 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:	It is not a variant.
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_033223.1 , NP_150092.1
RefSeq Size:	1536 bp
RefSeq ORF:	1404 bp
Locus ID:	2567
UniProt ID:	Q99928
Cytogenetics:	15q12
Domains:	Neur_chan_memb, Neur_chan_LBD

Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>This gene encodes a gamma-aminobutyric acid (GABA) receptor. GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. Chloride conductance of these channels can be modulated by agents such as benzodiazepines that bind to the GABA-A receptor. GABA-A receptors are pentameric, consisting of proteins from several subunit classes: alpha, beta, gamma, delta and rho. The protein encoded by this gene is a gamma subunit, which contains the benzodiazepine binding site. Two transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Aug 2012]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>