

Product datasheet for **SC317097**

GABRR3 (NM_001105580) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRR3 (NM_001105580) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABRR3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_001105580 edited GCCACCATGGTCCTGGCTTTCCAGTTAGTCTCCTTCACCTACATCTGGATCATATTGAAA CCAAATGTTTGTGCTGCTTCTAACATCAAGATGACACACCAGCGGTGCTCCTCTTCAATG AAACAAACCTGCAAACAAGAACTAGAATGAAGAAAGATGACAGTACCAAAGCGCGCCT CAGAAATATGAGCAACTTCTCCATATAGAGGACAACGATTTTCGCAATGAGACCTGGATT GGAGGGTCTCCAGTGCCAGTAGGTATAGATGTCCATGTTGAAAGCATTGACAGCATTTC GAGACTAACATGGACTTTACAATGACTTTTTATCTCAGGCATTACTGGAAAGACGAGAGG CTCTCCTTTCCTAGCACAGCAAACAAGCATGACATTTGATCATAGATTGACCAGAAAG ATCTGGGTGCCTGATATCTTTTTGTCCACTCTAAAAGATCCTTCATCCATGATACAAC ATGGAGAATATCATGCTGCGCGTACACCCTGATGGAAACGTCCTCCTAAGTCTCAGGATA ACGGTTTCGGCCATGTGCTTTATGGATTTTCAGCAGGTTTCCTCTTGACACTCAAATTTGT TCTCTTGAAGTGGAAAGCTATGCCTACAATGAGGATGACCTAATGCTATACTGGAAACAC GGAAACAAGTCCCTAAATACTGAAGAACATATGTCCCTTCTCAGTTCTTCATTGAAGAC TTCAGTGATCTAGTGGATTAGCTTTCTATAGCAGCACAGGTTGGTACAATAGGCTTTTC ATCAACTTTGTGCTAAGGAGGCATGTTTTCTTCTTTGTGCTGCAAACCTATTTCCAGCC ATATTGATGGTGATGCTTTCATGGGTTTCATTTGGATTGACCGAAGAGCTGTTCTGCA AGAGTTTCCCTGGGAATCACCACAGTGCTGACCATGTCCACAATCATCACTGCTGTGAGC GCCTCCATGCCCCAGGTGCTCCTACCTCAAGGCTGTGGATGTGTACCTGTGGGTGAGCTCC CTCTTTGTGTTCTGTCAGTCATTGAGTATGCAGCTGTGAACTACCTCACCACAGTGAA GAGCGGAAACAATTCAAGAAGACAGGAAAGATTCTAGGATGTACAATATTGATGCGATT CAAGCTATGGCCTTTGATGGTTGTTACCATGACAGCGAGATTGACATGGACCAGACTTCC CTCTCTCTAAACTCAGAAGACTTCATGAGAAGAAAATCGATATGCAGCCCCAGCACCGAT TCATCTCGGATAAAGAGAAGAAAATCCCTAGGAGGACATGTTGGTAGAATCATTCTGGAA ACAACCATGTCATTGACACCTATTCTAGGATTTTATTCCCCATTGTGTATATTTATTT AATTTGTTTTACTGGGGTGTATATGTATGA
Restriction Sites:	Please inquire
ACCN:	NM_001105580



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Insert Size:	1400 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:	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:	<u>NM_001105580.1, NP_001099050.1</u>
RefSeq Size:	1404 bp
RefSeq ORF:	1404 bp
Locus ID:	200959
UniProt ID:	<u>A8MPY1</u>
Cytogenetics:	3q11.2
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors
Gene Summary:	<p>The neurotransmitter gamma-aminobutyric acid (GABA) functions in the central nervous system to regulate synaptic transmission of neurons. This gene encodes one of three related subunits, which combine as homo- or hetero-pentamers to form GABA(C) receptors. In humans, some individuals contain a single-base polymorphism (dbSNP rs832032) that is predicted to inactivate the gene product. [provided by RefSeq, Jan 2012]</p> <p>Transcript Variant: This variant (1) represents the functional allele (SNP rs832032, has Tyr205 versus a stop codon) and encodes the supported protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence because no single human transcript was available for the full length of the gene. The genomic coordinates used for the transcript record were based on partial human and full-length orthologous transcript alignments, including mouse BC151105.1.</p>