

## Product datasheet for **SC304606**

### **GABRQ (NM\_018558) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GABRQ (NM_018558) Human Untagged Clone
Tag:	Tag Free
Symbol:	GABRQ
Synonyms:	THETA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

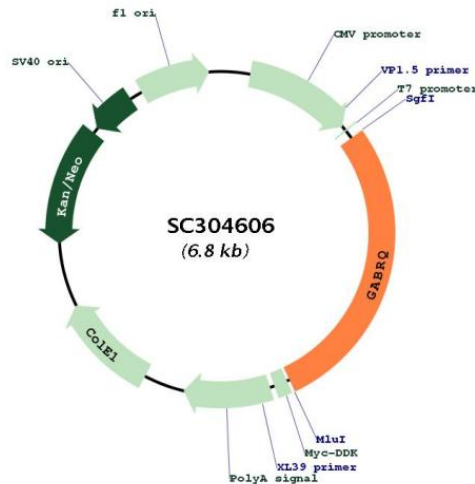


[View online »](#)

Fully Sequenced ORF: >SC304606 representing NM\_018558.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGGCATCCGAGGCATGCTCGAGCCGAGTGATCCTGCTCATCAGGACCTGGCTCGCGGAGGGC
AACTACCCAGTCCCATCCCGAAATCCACTTCGAGTTCTCCTCTGCTGTGCCCGAAGTCGTCTGAAC
CTCTTCAACTGCAAAAATTGTGCAAAATGAAGCTGTGGTTCAAAGATTTTGGACAGGGTGTGTAAGA
TACGATGTCCGCCTGAGACCGAATTTTGGAGGTGCCCTGTGCCTGTGAGAATATCTATTTATGTCAG
AGCATTGAACAGATCTCAGAAATGAATATGGACTACACGATCACGATGTTTTTTCATCAGACTTGGAAA
GATTCACGCTTAGCATACTATGAGACCACCTGAACCTGACCCTGGACTATCGGATGCATGAGAAGTTG
TGGGTCCCTGACTGCTACTTTCTGAACAGCAAGGATGCTTTCGTGCATGATGTGACTGTGGAGAATCGC
GTGTTTCAGTTCACCCAGATGGAACGGTGCAGTACGGCATCCGACTCACCCTACAGCAGCTTGTTC
CTGGATCTGCATAAATCCCTATGGACAAGCAGGCTGCAACCTGGTGGTAGAGAGCTATGGTTACAG
GTTGAAGACATCATATTCTGGGATGACAATGGGAACGCCATCCACATGACTGAGGAGCTGCATATC
CCTCAGTTCACCTTCTGGGAAGGACGATTACTAGCAAGGAGGTGATTTCTACAGGTTCTACATA
CGCCTGATACTGAAGTTCAGGTTCCAGAGGGAAGTTAACAGCTACCTTGTGCAAGTCTACTGGCCTACT
GTCCTCACCCTATTACCTCTTGGATATCGTTTTGGATGAACTATGATTCCTCTGACGCCAGGGTGACA
ATTGGCTTAACTCAATGCTCATCTGACCACCATCGACTCACATCTGCGGGATAAGCTCCCAACATT
TCCTGTATCAAGGCCATTGATATCTATATCCTCGTGTGCTTGTCTTTGTGTTCTGTCTTGTGGAG
TATGCTACATCAACTATCTTTCTACAGTCGAGGACCTCGGCCAGCCTAGGGCAGACAGGAGACCC
CGAAGAGTCATTGCCCGTACCCTACCAGCAAGTGGTGGTAGGAAACGTGCAGGATGCCCTGATTAAC
GTGGAAGACGGAGTCAGCTCTCTCCCATCAGCCAGCAGGCCCCCTGGCAAGCCCGAAAGCCTC
GGTCTTTGACGTCCACCTCCGAGCAGGCCAGCTGGCCACCTCGGAAAGCCTCAGCCCACTCACTTCT
CTCTCAGGCCAGGCCCTGGCCACTGGAGAAAGCCTGAGCGATCTCCCTCCACCTCAGAGCAGGCC
CGGCACAGCTATGGTGTTCGCTTAAATGGTTTCCAGGCTGATGACAGTATTATTCCTACCGAAATCCGC
AACCGTGTGCAAGCCATGGCCATGGTGTACCCATGACCATGAAGATTCATGAGAGCTTGGCTCG
GATGAGCGCCATGGCCATGGCCAGTGGGAAGCCATGCTTACCATGGCGAGAAGGGTGTGCAAGAA
GCAGGCTGGGACCTTGTGACAACAATGACAAGAGCGACTGCCTTGCCATTAAGGAGCAATTCAAGTGT
GATACTAACAGTACCTGGGGCTTAATGATGATGAGCTCATGGCCATGGCCAAGAGAAGGACAGTAGC
TCAGAGTCTGAGGATAGTTGCCCCCAAGCCCTGGGTGCTCCTTCACTGAAGGGTCTCCTTCGATCTC
TTAATCCTGACTACGTCCCAAAGGTGCAAGTGGTCCCGTTCCTCTTCCCTCTGGCCTTGGGTTG
TTCAACATTGTTTACTGGGTATACCATATGTATTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_018558

**Insert Size:** 1899 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:**

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\\_018558.3](#)

**RefSeq Size:** 2000 bp

**RefSeq ORF:** 1899 bp

**Locus ID:** 55879

**UniProt ID:** [Q9UN88](#)

<b>Cytogenetics:</b>	Xq28
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	72 kDa
<b>Gene Summary:</b>	The gamma-aminobutyric acid (GABA) A receptor is a multisubunit chloride channel that mediates the fastest inhibitory synaptic transmission in the central nervous system. This gene encodes the theta subunit of the GABA A receptor. The gene is mapped to chromosome Xq28 in a cluster of genes including those that encode the alpha 3 and epsilon subunits of the GABA A receptor. [provided by RefSeq, Jul 2017]