

## Product datasheet for **RG225790**

### **GABRR3 (NM\_001105580) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GABRR3 (NM_001105580) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GABRR3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG225790 representing NM\_001105580  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCTGGCTTCCAGTTAGTCTCCTTCACCTACATCTGGATCATATTGAAACCAAATGTTTGTGCTG  
 CTCTAACATCAAGATGACACACCAGCGGTGCTCCTCTTCAATGAAACAAACCTGCAAACAAGAACTAG  
 AATGAAGAAAGATGACAGTACCAAGCGCGGCCTCAGAAATATGAGCAACTTCTCCATATAGAGGACAAC  
 GATTTTCGCAATGAGACCTGGATTTGGAGGGTCTCCAGTCCAGTACAGTATAGATGTCATGTTGAAAGCA  
 TTGACAGCATTTCAGAGACTAACATGGACTTTACAATGACTTTTTATCTCAGGCATTACTGGAAAGACGA  
 GAGGCTCTCCTTCTAGCACAGCAAACAAAAGCATGACATTTGATCATAGATTGACCAGAAAGATCTGG  
 GTGCTGATATCTTTTTGTCCACTCTAAAAGATCCTTCATCCATGATACAACATGGAGAATATCATGC  
 TGC CGCTACACCCTGATGAAACGTCCTCCTAAGTCTCAGGATAACGGTTTCGGCCATGTGCTTTATGGA  
 TTT CAGCAGGTTTCTCTTGACTCAAATTGTTCTCTTGAACGGAAAGCTATGCCTACAATGAGGAT  
 GACCTAATGCTATACTGAAACACGAAACAAGTCCTTAAATACTGAAGAACATATGTCCCTTTCTCAGT  
 TCTTCATTGAAGACTTCAGTGCATCTAGTGGATTAGCTTTCTATAGCAGCACAGGTTGGTACAATAGGCT  
 TTT CATCACTTTGTGCTAAGGAGGCATGTTTTCTTTGTGCTGCAAACCTATTTCCAGCCATATTG  
 ATGGTGATGCTTTCATGGGTTTCATTTTGGATTGACCGAAGAGCTGTTCTCGAAGAGTTTCCCTGGGAA  
 TCACCACAGTGTGACCATGTCCACAATCATCACTGCTGTGAGCGCCTCCATGCCCCAGGTGCTCCTACCT  
 CAAGGCTGTGGATGTGTACCTGTGGGTCAGCTCCCTCTTTGTGTTCTGTGAGTATTGAGTATGCAGCT  
 GTGAACACCTCACCACAGTGAAGAGCGGAAACAATCAAGAAGACAGGAAAGATTTCTAGGATGTACA  
 ATATTGATGCAGTCAAGCTATGGCCTTTGATGGTTGTTACCATGACAGCGAGATTGACATGGACCAGAG  
 TTCCCTCTCTCTAAACTCAGAAGACTTCATGAGAAGAAAATCGATATGCAGCCCCAGCACCGATTATCT  
 CGGATAAAGAGAAGAAAATCCCTAGGAGGACATGTTGGTAGAATCATTCTGGAAAACAACCATGTATTG  
 ACACCTATTCTAGGATTTTATCCCATTTGTGTATATTTATTTAATTTGTTTTACTGGGGTGTATATGT  
 A

**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA**

**Protein Sequence:**

>RG225790 representing NM\_001105580  
 Red=Cloning site Green=Tags(s)

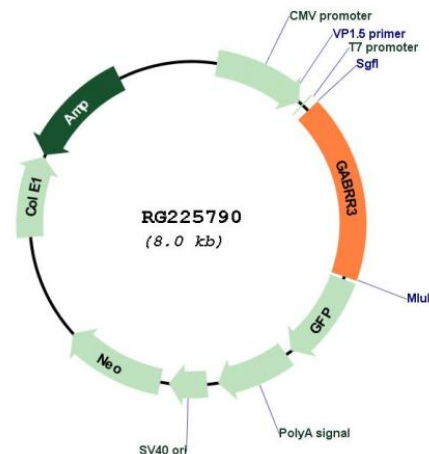
MVLAFLVLSFTYIWIILKPNVCAASNIKMTQRCSMSMKQTCKQETRMKKDDSTKARPQKYEQLLHIEDN  
 DFAMRPGFGGSPVPGIDVHVESIDSISETNMDFTMTFYLRYWKDERLSFPSTANKSMTFDHRLTRKIW  
 VPDIFVHRSKRSFIHDTTMENIMLRVHPDGNVLLSLRITVSAMCFMDFSRFPLDTQNCSELESYAYNED  
 DLMLYWKHGNKSLNTEEHMSLSQFFIEDFSASSGLAFYSSTGWYNRLFVFLRRHVFFVFLQTYFPAIL  
 MVMLSWVSFWIDRRRAVPARVSLGITTVLTMSTIITAVSASMPQVSYLKAVDVYLVWVSSLFVFLSVIEYAA  
 VNYLTTVEERKQFKKTGKISRMYNIDAVQAMAFDGCYHDSEIDMDQTSLSLNSDFMRRKSIKSPSTDSS  
 RIKRRKSLGGHVGRILENNHVIDTYSRILFPYVYILFNLFWGWVYV

**TRTRPLE - GFP Tag - V**

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001105580

**ORF Size:** 1401 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001105580.2</a>
<b>RefSeq Size:</b>	1404 bp
<b>RefSeq ORF:</b>	1404 bp
<b>Locus ID:</b>	200959
<b>UniProt ID:</b>	<a href="#">A8MPY1</a>
<b>Cytogenetics:</b>	3q11.2
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Cys-loop Receptors
<b>Gene Summary:</b>	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]