

Product datasheet for **RG232792**

GABRR1 (NM_001256703) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRR1 (NM_001256703) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	GABRR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG232792 representing NM_001256703 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTGGCTGTCCAAATATGAGATTTGGCATCTTTCTTTGTGGTGGGGATGGGTTTTGGCCACTGAAA
GCAGATGCACTGGCCCGGAAGAGAAGTCCACGAGATGTCTAAGAAAGGCAGCCCAATTCTGAGACGAAG
TCCTGACATCACCAAATCGCCTCTGACAAAGTCAGAACAGCTTCTGAGGATAGATGACCATGATTTGATGCA
ATGAGGCCTGGCTTTGGAGGCCCTGCCATTCTGTTGGTGTGGATGTGCAGGTGGAGAGTTGGATAGCA
TCTCAGAGTTGACATGGACTTTACGATGACCCCTACCTGAGGCACTACTGGAAGGACGAGAGGCTGTC
TTTTCCAAGCACCAACAACCTCAGCATGACGTTTGACGGCCGGCTGGTCAAGAAGATCTGGGTCCCTGAC
ATGTTTTTCGTGCACTCAAACGCTCCTTCATCCACGACACCACAGACAACGTCATGTTGCGGGTCC
AGCCTGATGGGAAAGTGCTCTATAGTCTCAGGGTTACAGTAACTGCAATGTGCAACATGGACTTCAGCCG
ATTTCCCTTGGACACACAACGCTCTCTTCAAATTGAAAGCTATGCCTATACAGAAGATGACCTCATG
CTGTACTGGAAAAGGGCAATGACTCCTTAAAGACAGATGAACGGATCTCACTCTCCAGTTCCTCATT
AGGAATCCACACCACCACAACTGGCTTTCTACAGCAGCACAGGCTGGTACAACCGTCTCTACATTAA
TTTCACGTTGCGTCGCCACATCTTCTTCTTCTGCTCAAACCTATTTCCCGCTACCCTGATGGTCATG
CTGTCCTGGGTGTCCTTCTGGATCGACCGCAGAGCCGTGCCTGCCAGAGTCCCCTTAGGTATCACAACGG
TGCTGACCATGTCCACCATCATCAGGGCGTGAATGCCTCCATGCCGCGGTCTCCTACATCAAGGCCGT
GGACATCTACCTCTGGGTGAGCTTTGTGTTCTGTTTCTCCTCGGTGCTGGAGTATGCGGCCGTCACTAC
CTGACCACTGTGCAGGAGAGGAAGGAACAGAAGCTGCGGGAGAAGCTTCCCTGCACCAGCGGATTACCTC
CGCCCCGCACTGCGATGCTGGACGGCACTACAGTGATGGGGAGGTGAATGACCTGGACAACATACATGCC
AGAGAAATGGAGAGAAGCCCGACAGGATGATGGTGCAGCTGACCCCTGGCCCTCAGAGAGGAGCTCCCCACAG
AGGAAAAGTCAGAGAAGCAGCTATGTGAGCATGAGAATCGACACCCACGCCATTGATAAATACTCCAGGA
TCATCTTCCAGCAGCATACATTTTATTCAATTAATACTGGTCTATTTTCTCC

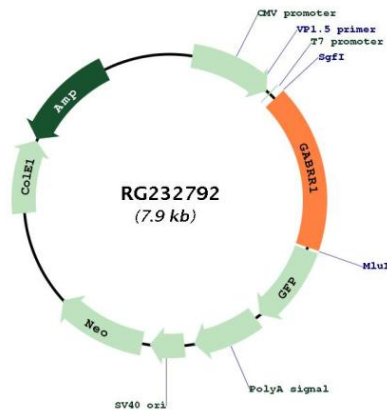
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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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).
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_001256703.1</u> , <u>NP_001243632.1</u>
RefSeq Size:	3123 bp
RefSeq ORF:	1389 bp
Locus ID:	2569
UniProt ID:	<u>P24046</u>
Cytogenetics:	6q15
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA receptors, which are ligand-gated chloride channels. GABRR1 is a member of the rho subunit family. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2012]

Product images:



Circular map for RG232792