

Product datasheet for **RC232643**

GABRR1 (NM_001267582) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRR1 (NM_001267582) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GABRR1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC232643 representing NM_001267582 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCCTGGCTTTGGAGGCCCTGCCATTCTGTGGTGTGGATGTGCAGGTGGAGAGTTGGATAGCA
TCTCAGAGGTTGACATGGACTTTACGATGACCCTCTACCTGAGGCACTACTGGAAGGACGAGAGGCTGTC
TTTTCCAAGCACCAACCTCAGCATGACGTTTGACGGCCGGCTGGTCAAGAAGATCTGGTCCCTGAC
ATGTTTTTCGTGCACTCCAACGCTCCTTCATCCACGACACCACAGACAACGTCATGTTGCGGGTCC
AGCCTGATGGAAAGTGCTCTATAGTCTCAGGGTTACAGTAACTGCAATGTGCAACATGGACTTCAGCCG
ATTTCCCTTGGACACACAACGCTCTCTTCAAATTGAAAGCTATGCCTATACAGAAGATGACCTCATG
CTGTACTGGAAAAGGGCAATGACTCCTTAAAGACAGATGAACGGATCTCACTCTCCAGTTCCTCATT
AGGAATTCACACCACCACCAACTGGCTTTCTACAGCAGCACAGGCTGGTACAACCGTCTCTACATTAA
TTTACGTTGCGTCGCCACATCTTCTTCTTCTGCTCAAACCTATTTCCCGCTACCCTGATGGTCATG
CTGTCCTGGGTGTCCTTCTGGATCGACCGCAGAGCCGTGCCTGCCAGAGTCCCCTTAGGTATCACAACGG
TGCTGACCATGTCCACCATCATCAGGGCGTGAATGCCTCCATGCCGCGGTCTCCTACATCAAGGCCGT
GGACATCTACCTCTGGGTGAGCTTTGTGTTCTGTTCTCCTCGGTGCTGGAGTATGCGGCGGTCAACTAC
CTGACCACTGTGCAGGAGAGGAAGGAACAGAAGCTGCGGGAGAAGCTTCCCTGCACCAGCGGATTACCTC
CGCCCCGCACTGCGATGCTGGACGGCAACTACAGTGTGGGGAGGTGAATGACCTGGACAACATACATGCC
AGAGAAATGGAGAGAAGCCCGACAGGATGATGGTGCAGCTGACCCTGGCCTCAGAGAGGAGCTCCCCACAG
AGGAAAAGTCAGAGAAGCAGCTATGTGAGCATGAGAATCGACACCACGCCATTGATAAATACTCCAGGA
TCATCTTCCAGCAGCATACATTTTATTCAATTAATACTGGTCTATTTTCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC232643 representing NM_001267582
 Red=Cloning site Green=Tags(s)

MRPGFGGPAIPVGVQVESLDSISEVDMDFMTLYLRHYWKDERLSFPSTNNLSMTFDGRLVKKIWPDP
 MFFVHSKRSFIHDTTDDNVMLRVQPDGKVLYSRLVTVTAMCNMDFSRFPLDTQCSLEIESYAYTEDDLM
 LYWKKGNDSLKTDERISLSQFLIQEFHTTTKLAFYSSTGWYNRLYINFTLRRHIFFFLLQTYFPATLMVM
 LSWVSFWIDRRVAVPARVPLGITTVLTMSTIITGVNASMPRVSYIKAVDIYLWVSFVFLSVLEYAAVNY
 LTTVQERKEQKLREKLPCSTGLPPRTAML DGNYS DGEVNDLDNYMPENGEKPDRMMVQLTLASERSSPQ
 RKSQRSSYVSMRIDTHAIDKYSRIIFPAAYILFNLIYWSIFS

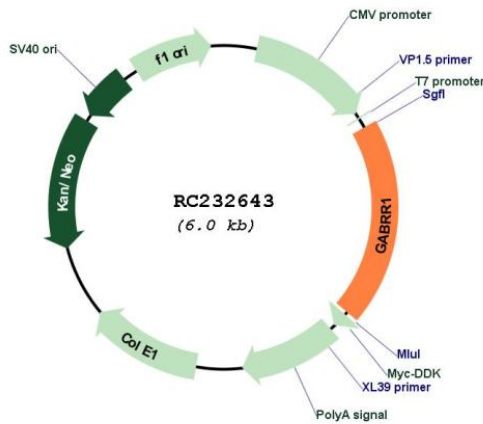
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001267582

ORF Size:	1176 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).
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_001267582.1 , NP_001254511.1
RefSeq Size:	2944 bp
RefSeq ORF:	1179 bp
Locus ID:	2569
UniProt ID:	P24046
Cytogenetics:	6q15
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	46 kDa
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]