

Product datasheet for **RC218663**

GABRR2 (NM_002043) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GABRR2 (NM_002043) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GABRR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC218663 representing NM_002043
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCTTATTTTACAAGACTCATTGTTGTTCTGTTTCTGTTGATGGTTCTCGTGGAGAGCAGAAAACCCA
 AGAGGAAGCGATGGACAGGGCAGGTGAAATGCCCAAGCCAAGTCACTTATATAAGAAGAACCTTGATGT
 GACCAAGATCCGGAAGGAAAGCCTCAGCAGCTTCTCAGAGTGGACGAGCAGACTTCAGCATGAGACCC
 GCCTTCGGAGGCCCTGCCATCCCGGTGGCGTGGACGTACAGGTGGAGAGCCTGGACAGCATCTCCGAGG
 TGGACATGGACTTCACTATGACCCTGTACCTGCGGCATTACTGGAAGGATGAGAGGCTAGCTTTCTCCAG
 CGCCAGCAACAAGAGCATGACCTTCGATGGCCGGCTGGTGAAGAAGATCTGGTCCCTGATGTCTTCTTT
 GTTCACTCCAAAAGATCGTTCACTCATGACACCACCCTGACAACATCATGCTGAGGGTGTCCAGATG
 GACACGTGCTGTACAGCATGAGGATTACGGTCACTGCCATGTGCAACATGGACTTCAGCCACTTTCCCT
 GGACTCCCAGACCTGTTCTTTGGAGCTGGAGAGCTATGCCTATACAGATGAAGATCTAATGCTGTACTGG
 AAGAATGGGGATGAATCCCTAAAAACAGATGAGAAGATCTCCTTGCTCAGTTTTCTGATTAGAAATTTT
 ACACAACCTCCAGGCTGGCCTTCTACAGCAGCACTGGCTGGTACAACCGTCTGTACATTAACCTTCAGTT
 GCGTCGCCACATCTTCTTCTTCTGCTCCAAACATATTTCCCTGCCACTCTGATGGTCATGCTGTCTG
 GTGTCCTTCTGGATCGACCGCAGAGCTGTGCCTGCCAGAGTTTCACTGGGTATCACGACGGTGTGACCA
 TGACCACCATCATCAGGGCGTGAATGCCTCCATGCCGCGCTCTCTACGTCAAGGCCGTGGACATCTA
 CCTCTGGGTCAGCTTTGTGTTCTGTTCTCTCGGTGCTGGAGTATGCGGCTGTCAACTACCTGACCACC
 GTGCAGGAGCGCAAGGAACGGAAGCTGCCGGAGAAGTTCCCGTGCATGTGTGGAATGCTTCAATCAAAA
 CCATGATGCTGGATGGAAGCTACAGTGAGTCTGAGGCCAACAGCCTGGCTGGTACCCAGAAGCCATAT
 CCTGACAGAAGAAGAAAGGCAAGACAAAATAGTGGTCCACCTGGGCTGAGTGGTGAAGCCAACGCTGCC
 AGAAAGAAGGGGCTTCTGAAGGGCCAGACGGGTTTTCTGATCTTCCAGAATACCCATGCCATTGACAAAT
 ACTCTAGTTGATATTCCTGCCTCTACATATTTTTCAACTTAATTTATTGGTCAGTGTGTTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC218663 representing NM_002043
 Red=Cloning site Green=Tags(s)

MPYFTRLILFLFCLMVLVESRKPKRKRWTGQVEMPKPSHLYKKNLDVTKIRKPKPQQLLRVDEHDFSMRP
 AFGGPAIPVGVQVQVESLDSISEVDMDFMTLYLRHYWKDERLAFSSASNKSMTFDGRVLVKKIWPVDFV
 VHSKRSTHDTTNDNIMLRVFPDGHVLYSMRITVTAMCNMDFSHFPLDSQTSLELESYAYTDEDLMLYW
 KNGDESLKTDEKISLSQFLIQFHHTSRLAFYSSTGWYNRLYINFTLRRHIFFFLLQTYFPATLMVMSW
 VSFWIDRRRAVPARVSLGITTVLTMTTIIITGVNASMPRVSYVKAVDIYLWVSFVFLSVLEYAAVNYLTT
 VQERKERKLRKRFPCMGMLHSTMMLDGSYSEANSLAGYPRSHILTEERQDKIVVHLGLSGEANAA
 RKKGLLKGQTGFRIFQNTAIDKYSRLIFPASYIFFNLIYWSVFS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

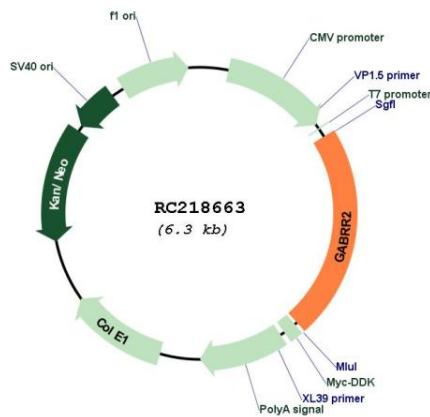
https://cdn.origene.com/chromatograms/mk8120_g04.zip

Restriction Sites:

SgfI-MluI

Cytogenetics:	6q15
Protein Families:	Druggable Genome, Ion Channels: Cys-loop Receptors, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
MW:	54.6 kDa
Gene Summary:	Gamma-aminobutyric acid (GABA) is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA receptors, which are ligand-gated chloride channels. The protein encoded by this gene is a member of the rho subunit family and is a component of the GABA type A receptor complex. This gene exists on chromosome 6q next to the gene encoding the rho 1 subunit of the GABA type A receptor, in a region thought to be associated with susceptibility for psychiatric disorders and epilepsy. Polymorphisms in this gene may also be associated with alcohol dependence, and general cognitive ability. [provided by RefSeq, Apr 2016]

Product images:



Circular map for RC218663