*h*GABA-A R rho 3 VersaClone cDNA

Catalog Number: RDC0966

Specifications:

Gene:	*h*GABRR3
Accession:	NP_001099050
Insert size:	1416bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

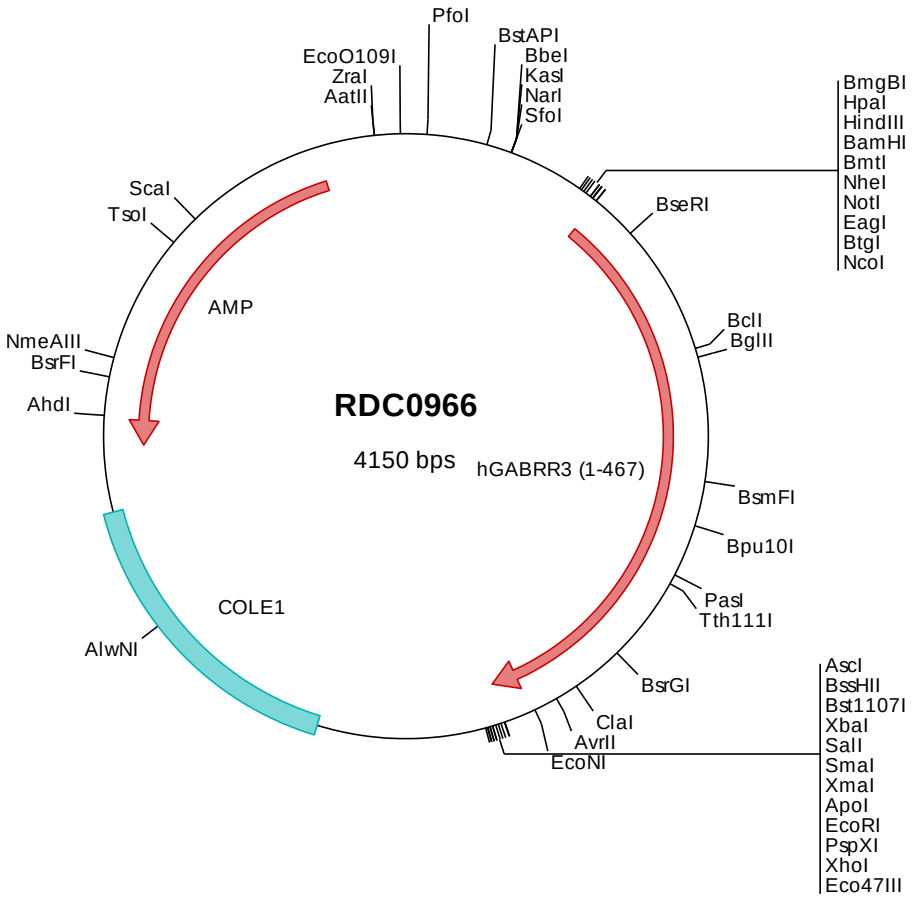
Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*GABA-A R rho 3 cDNA Plasmid

GABRR3 gamma-aminobutyric acid (GABA) A receptor, rho 3 [*Homo sapiens* (human)]

Summary:
GABRR3 one of three related subunits that combine as homo- or hetero-pentamers to form GABA-C receptors. GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel. GABAC receptors are highly expressed in the retina and in a lesser extent in various brain regions. GABRR3 could play a role in retinal neurotransmission.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0966 Plasmid DNA Sequence

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 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggtcctgg ctttccagtt agtctccttc acctacatct ggatcatatt
 501  gaaaccaaat gtttgtgctg cttctaacat caagatgaca caccagcggt gctcctcttc aatgaaacaa acctgcaaac aagaaactag aatgaagaaa
 601  gatgacagta ccaaagcgcg gcctcagaaa tatgagcaac ttctccatat agaggacaac gatttcgcaa tgagacctgg atttggaggg tctccagtgc
 701  cagtaggtat agatgtccat gttgaaagca ttgacagcat ttcagagact aacatggact ttacaatgac tttttatctc aggcattact ggaaagacga
 801  gaggctctcc tttcctagca cagcaaacaa aagcatgaca tttgatcata gattgaccag aaagatctgg gtgcctgata tctttttttgt ccactctaaa
 901  agatccttca tccatgatac aactatggag aatatcatgc tgcgcgtaca ccctgatgga aacgtcctcc taagtctcag gataacggtt tcggccatgt
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1701  cgattcatct cggataaaga gaagaaaatc cctaggagga catgttggta gaatcattct ggaaaacaac catgtcattg acacctattc taggatttta
1801  ttccccattg tgtatatttt atttaatttg ttttactggg gtgtatatgt atgaggcgcg ccagtatact ctagagtcga cacccgggga attcctcgag
1901  cgctcgtctc tagcttggcg taatcatggt catagctgtt tcctgtgtga aattgttatc cgctcacaat tccacacaac atacgagccg gaagcataaa
2001  gtgtaaagcc tggggtgcct aatgagtgag ctaactcaca ttaattgcgt tgcgctcact gcccgctttc cagtcgggaa acctgtcgtg ccagctgcat
2101  taatgaatcg gccaacgcgc ggggagaggc ggtttgcgta ttgggcgctc ttccgcttcc tcgctcactg actcgctgcg ctcggtcgtt cggctgcggc
2201  gagcggtatc agctcactca aaggcggtaa tacggttatc cacagaatca ggggataacg caggaaagaa catgtgagca aaaggccagc aaaaggccag
2301  gaaccgtaaa aaggccgcgt tgctggcgtt tttccatagg ctccgccccc ctgacgagca tcacaaaaat cgacgctcaa gtcagaggtg gcgaaacccg
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4001  tgagcggata catatttgaa tgtatttaga aaaataaaca aatagggttc ccgcgcacat ttccccgaaa agtgccacct gacgtctaag aaaccattat
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> RDC0966 Translated Insert Sequence

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 201  elesyayned dlmlywkhgn kslnteehms lsqffiedfs assglafyss tgwynrlfin fvlrrhvfff vlqtyfpail mvmlswvsfw idrravparv
 301  slgittvltm stiitavsas mpqvsylkav dvylwvsslf vflsvieyaa vnylttveer kqfkktgkis rmynidavqa mafdgcyhds eidmdqtsls
 401  lnsedfmrrk sicspstdss rikrrkslgg hvgriilenn hvidtysril fpivyilfnl fywgvyv
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