

Specifications:

| | |
|----------------|------------------|
| Gene: | hGABRB3 |
| Accession: | NP_000805 |
| Insert size: | 1435bp |
| 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

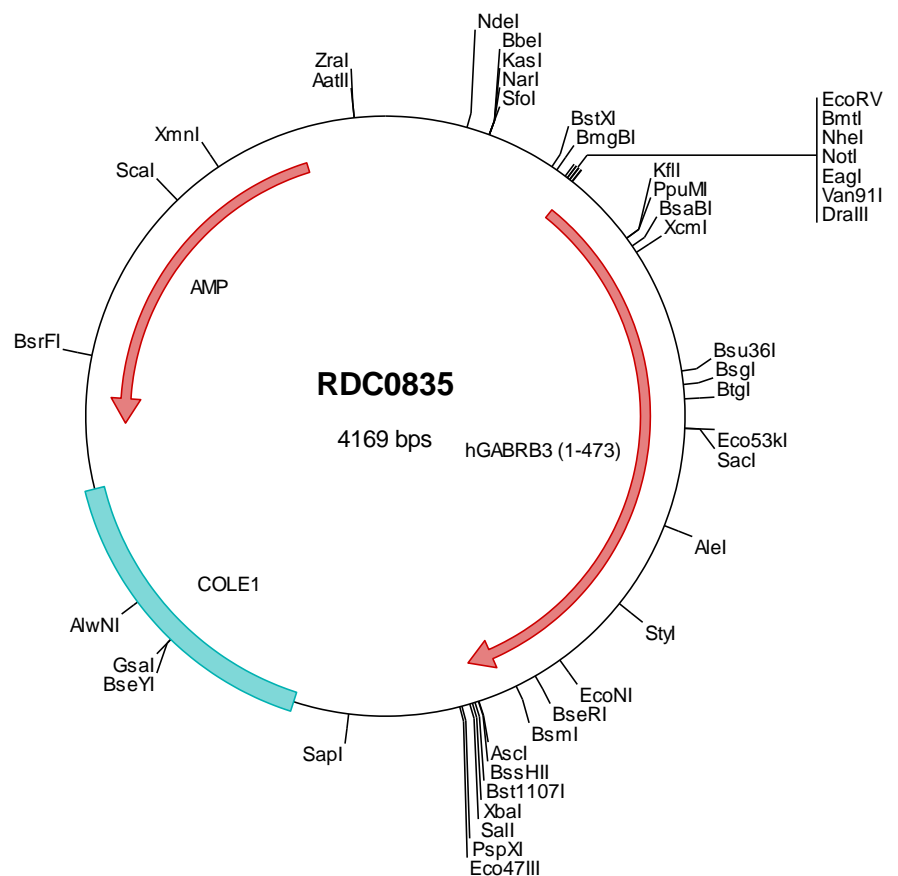
| | |
|-------------|---|
| Formulation | cDNA is provided in 10 mM Tris-Cl, pH 8.5 |
| Shipping | Ships at ambient temperature |
| Stability | 1 year from date of receipt when stored at -20°C to -80°C |
| Storage | Use a manual defrost freezer and avoid repeated freeze-thaw cycles. |

hGABA-A-R beta 3 cDNA Plasmid

GABRB3 gamma-aminobutyric acid (GABA) A receptor, beta 3
[*Homo sapiens* (human)]

Also known as: ECA5

GABRB3 is one the beta subunits of a multi-subunit chloride channel that serves as the receptor for the major inhibitory neurotransmitter of the mammalian nervous system (gamma-aminobutyric acid). GABA-A receptor subunits are classified within one of five subfamilies (*alpha*, *beta*, *gamma*, *delta*, or *rho*) based on amino acid homology. GABRB3 has been associated with Angelman syndrome, Prader-Willi syndrome, nonsyndromic orofacial clefts, epilepsy and autism. Alternatively spliced transcript variants encoding distinct proteins have been described.





> RDC0835 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaaggcgc attcgccatt caggctgcgc aactgttggg aaggcgcgac ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgctc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcct ggatccgata tcgctagcgc ggccgccacc atgtggggcc ttgcccggag aaggcttttc ggcattctct cggccccggt
501 gctggtggtc gttggtggtc ggcgccagag tgtgaacgat cccgggaaca tgtcctttgt gaaggagacg gtggacaagc tttgaaagg ctacgacatt
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1901 acccggggaa ttcctcagac gctcgtctct agcttggcgt aatcatggtc atagctgttt cctgtgtgaa attgttatcc gctcacaact ccacacaaca
2001 tacgagccgg aagcataaag tgtaaaagcct ggggtgccta atgagtgcgc taactcacat taattgcgtt gcgctcactg cccgctttcc agtcgggaaa
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2201 tcggctgctt cgtcgcggcg agcgggtatca gctcactcaa agcgggtaat acggttatcc acagaatcag gggataacgc aggaaagaac atgtgagcaa
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> RDC0835 Translated Insert Sequence

1 mwglaggrlf gifsapvlva vuccaqs vnd pgnmsfvket vdkllkydi rlrpfdgpp vcvgmndia sidmvsevm dytlmyfqq ywrkrlays
101 giplnltdn rvadglwvpd tyflndkksf vhgvtvknrm irlhpdgtvl ygllritttaa cmmdlrrypl deqncleie sygytddie fywrggdka
201 tgverielpq fsivehrlvs rnvfatgay prlslsfrlk rnigylfqt ymslilitil swvsfwinyd asaavalgi ttvltmttin thlretlpki
301 pyvkaidmyl mgcfvfvfla lleyafvnyl ffgrgprqk klaektakak ndrskesnr vdahgnillt slevhnemne vsggigdtrn saisfdnsgi
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