

Specifications:

Gene:	hGABRA3
Accession:	NP_000799
Insert size:	1492bp
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

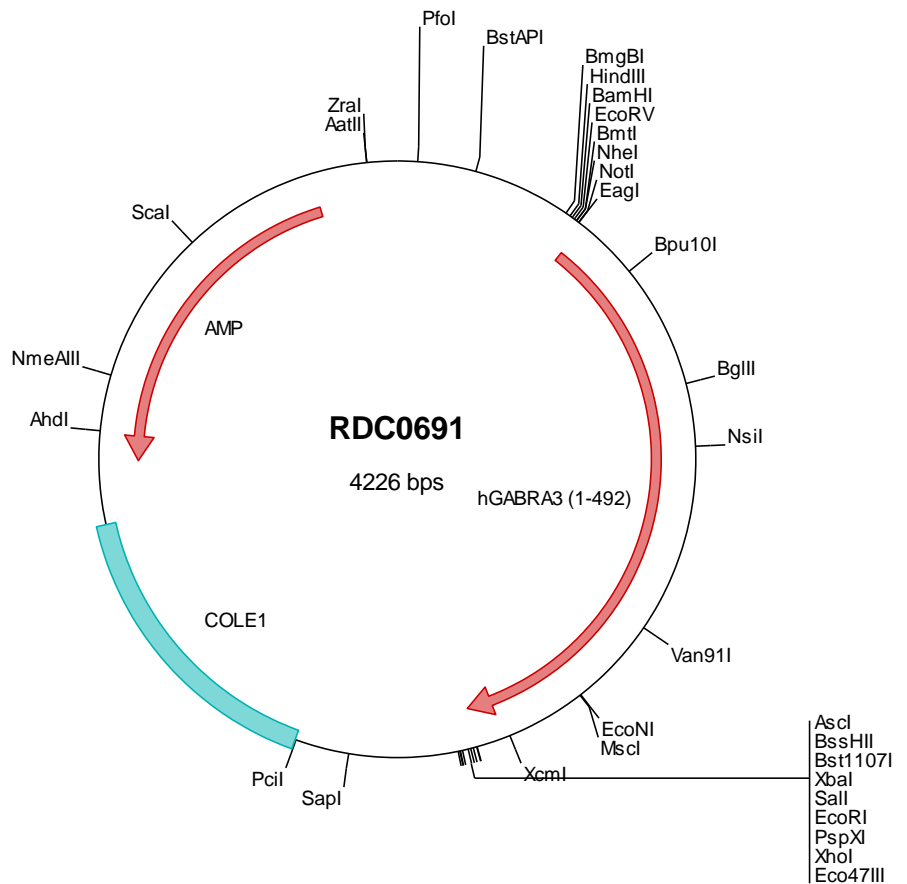
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

hGABA-A-R Alpha 3 cDNA Plasmid

GABRA3 gamma-aminobutyric acid (GABA) A receptor, alpha 3 [*Homo sapiens* (human)]

Summary:

GABA is the major inhibitory neurotransmitter in the mammalian brain where it acts at GABA-A receptors, which are ligand-gated chloride channels. GABRA3 is overexpressed in lung cancer and rarely expressed in other cancers. Its expression is significantly higher in lower grade lung cancer. GABRA3 could be a potential biomarker for the diagnosis of lung cancer, and GABA-A receptors may play an important role in cancer differentiation.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0691 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggccc tcttcgctat
301 taacgacgct ggcgaaaagg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggccgcccac atgataatca cacaaacaag tcactgttac atgaccagcc ttgggattct
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601 aagcatgccc cagatattcc tgatgacagc actgacaaca toactatctt caccagaatc ttggatcgtc ttctggacgg ctatgacaac cggctgogac
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> RDC0691 Translated Insert Sequence

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101 sfgpvstdtm eytidvfrq twhderlkfd gpmkilpln llaskiwtpd tffhngkksv ahnmtpnkl lrlvdngtll ytmrltihae cpmhledfpm
201 dhvacplkfg syayttaevv yswtlgnks vevaagdserl ngydllghv gteirsstg eyvmtthfh lkrkigyfvi qtylpcimtv ilsqvsfwln
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