

Specifications:

Gene:	hGABRA4
Accession:	NP_000800
Insert size:	1678bp
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

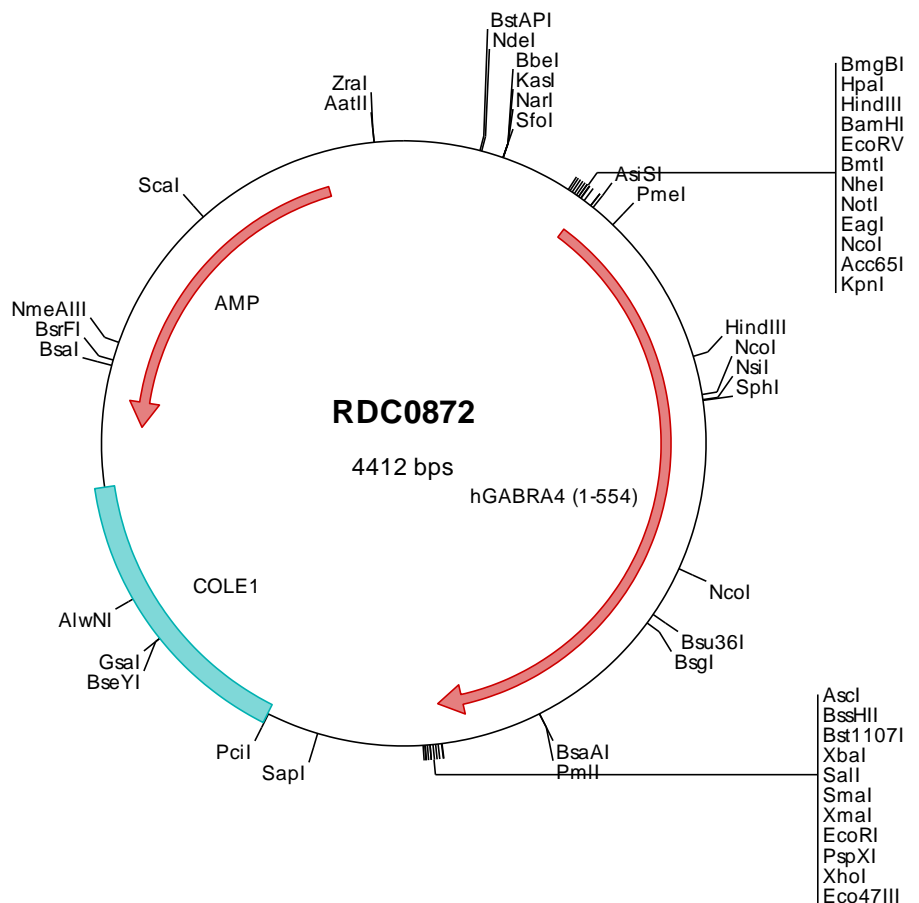
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

hGABA-A R alpha 4 cDNA Plasmid

GABRA4 gamma-aminobutyric acid (GABA) A receptor, alpha 4 [*Homo sapiens* (human)]

Summary:

GABRA4 is a member of the GABA-A receptor gene family of heteromeric pentameric ligand-gated ion channels. Gamma-aminobutyric acid (GABA), the major inhibitory neurotransmitter in the mammalian brain, binds to A-type receptors and induces anion-selective ion channel opening. GABA-A receptors have modulatory sites for many important pharmacologic agents including barbiturates, benzodiazepines, and ethanol. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0872 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taagccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atggtttctg ccaagaaggt acccgcgatc gctctgtccg ccggggtcag
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601 atcctggaca gtttgcctga tggttatgac aacaggctgc gctctggatt tgggggtcct gttacagaag tgaactga catatatgtc accagctttg
701 gacctgttcc tgatgttgaa atggaataca caatggatgt gttcttcagg cagacatgga ttgacaaaag attaaaatat gacggcccca tcgaaatctt
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4401 ggccctttcg tc

> RDC0872 Translated Insert Sequence

1 mvsakkvpai alsagvsfal lrlflclavlf nespggnqke eklctenfr ildsllldgyd nrlrpgfpgp vtevktdiyv tsfjgvsdve meymtdvffr
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