

Specifications:

Gene:	hGPCR5B
Accession:	NP_057319
Insert size:	1224bp
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.

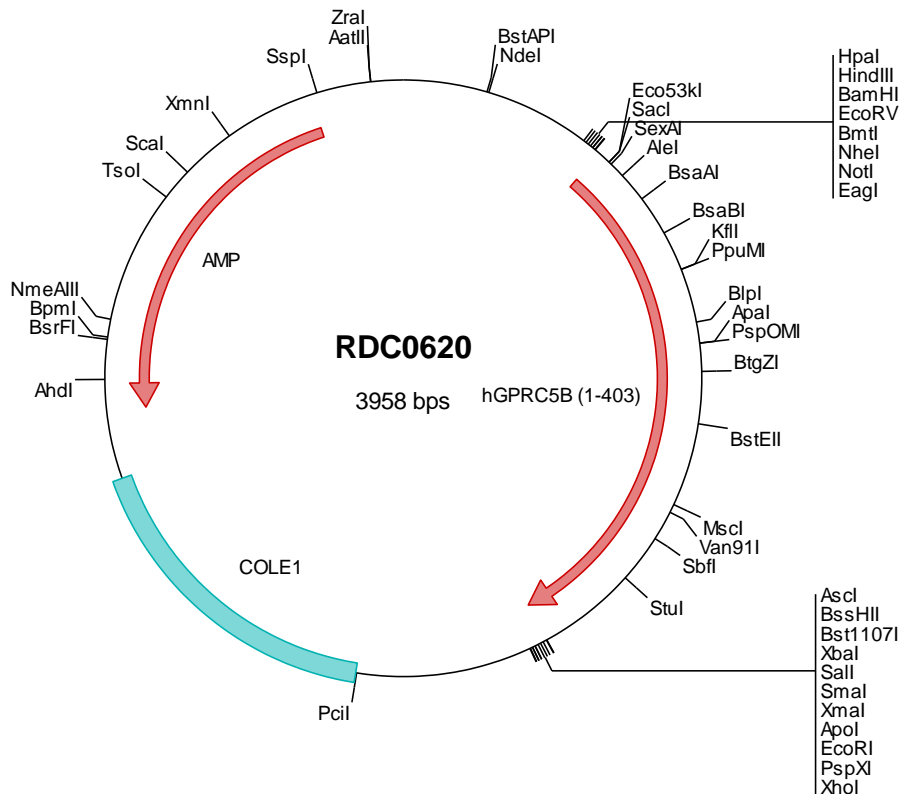
hGPCR5B cDNA Plasmid

GPCR5B G protein-coupled receptor, family C, group 5, member B [*Homo sapiens*]

Also known as: RAIG2; RAIG-2

Summary:

GPCR5B contains a signal peptide and seven transmembrane alpha-helices, which is a hallmark of G protein-coupled receptors (GPCRs). GPCR5B mRNA is widely expressed in peripheral and central tissues with highest abundance in kidney, pancreas, and testis. Both GPCR5A and GPCR5B have short extracellular amino-terminal domains (ATDs) that contrast the very long ATDs characterizing the other receptors currently assigned to the family C group of GPCRs.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0620 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgccatt caggctgccc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taagccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tetgtagcgc gggccgcaacc atgttcgtgg catcagagag aaagatgaga gctcaccagg tgcacacctt
501 cctcctgctc ttcgtgatac cctcgggtggc ctotgaaaac gccagcacat cccgaggctg tgggctggac ctccctccctc agtacgtgtc cctgtgogac
601 ctggaogcca tctggggcat tgtgggtggag ggggtggcgc gggcggggcc cctgatcaca ctgctcctga tgcatacct cctggtgogg ctgcccttea
701 tcaaggagaa ggagaagaag agccctgtgg gctccaactt tetgttccctc ctggggacc cgggctctt tgggctgag tttgccttca tcatccagga
801 ggacgagacc atctgctctg tccgcccgtt cctctggggc gtcctctttg cgtctgctt cctcctgctg ctgagccagg catggcgcgt gcggaggctg
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1501 cccaaacgca gcttgggaaa aagaccagct ggcagctggg gaaaagacc cagcgcctcc ttagaagca acgtgtatca gccaaactgag atggcctgctg
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1801 agcataaagt gtaaaagcctg ggtgctctaa tgagtgcct aactcacatt aattgcgttg cgtcactgc cgcctttcca gtcgggaaac ctgctgtgcc
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2001 gctgcggcga gcggtatcag ctcaactcaaa ggcggtataa cggttatcca cagaatcagg ggataacgca ggaaagaaca tgtgagcaaa aggccagcaa
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2701 attacgcgca gaaaaaagg atctcaagaa gatcctttga tctttctac ggggtctgac gctcagtgga acgaaaaact acgttaaggg attttggta
2801 tgagattatc aaaaaggatc ttcacctaga tctttttaa ttaaaaatga agttttaa caatctaaag tataatgag taaactgggt ctgacagtta
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3901 accattatta tcatgacatt aacctataa aataggcgta tcaagaggcc cttctcgtc

> RDC0620 Translated Insert Sequence

1 mfvaserkmr ahqvlftlll fvitsvasen astsrccgld llpqyvslcd ldaiwigivve avagagalit lllmlillvr lpfikekekk spvglhflfl
101 lgtlglfght fafiigedet icsvrrflwg vlfalcfscf lsgawrvrrl vrhgtgpaw qlvglalclm lvqviiavew lvltvlrdtr pacayepmdf
201 vmaliydmvl lvvtlglalf tlcgkfkkrw lngaflllita flsvliwvaw mtmylfgnvk lqqgdawndp tlaitlaasg wvfvihaip eihctllpal
301 qentpnyfdt sqprmretaf eedqqlpray menkafsmde hnaalrtagf pngslgkrps gslgkrpsap frsnvyqpte mavlinggti ptappstgr
401 hlv