

Specifications:

Gene:	hGPR19
Accession:	NP_006134
Insert size:	1261bp
Concentration:	10µg at 0.2µg/µL

hGPR19 cDNA Plasmid

GPR19 G protein-coupled receptor 19 [*Homo sapiens*]

Also known as: GPR-NGA

Summary:

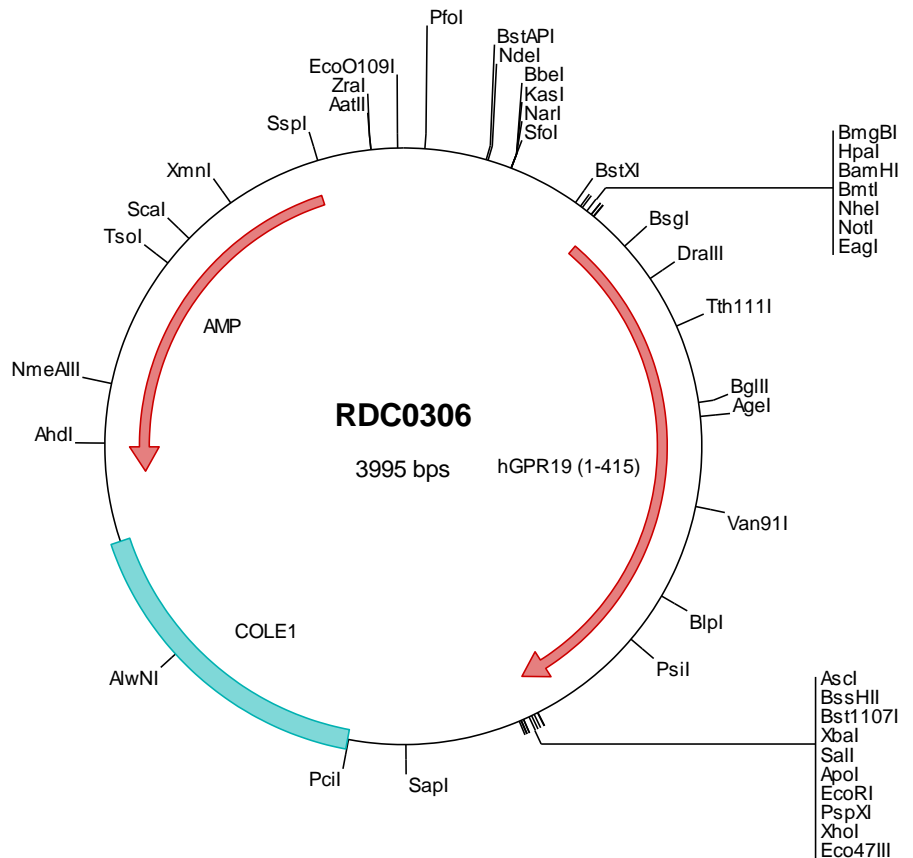
G protein coupled receptors (GPCRs), also known as seven-transmembrane domain receptors, 7TM receptors, heptahelical receptors, serpentine receptor, and G protein-linked receptors (GPLR), comprise a large protein family of transmembrane receptors that sense molecules outside the cell and activate inside signal transduction pathways and, ultimately, cellular responses. GPR19 is an orphan GPCR that is expressed abundantly in the brain. It is also frequently overexpressed in small cell lung cancer.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0306 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 caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tetgtagcgc gggcggcacc atggtttttg ctacacagaat ggataaacagc aagccacatt tgattatccc
501 taacactctg gtgcccctcc aaaaccgag ctgcaactgaa acagccacac ctctgccaag ccaatacctg atggaattaa gtgaggagca cagttggatg
601 agcaacaaaa cagacctca ctatgtgctg aaaccggggg aagtggccac agccagatc ttctttggga ttctgtggtt gttttctatc ttggcaatt
701 cctgtggttg tttggtcac cataggagta gaggactca gtctaccacc aactactttg ttgtctccat ggcatgtgct gaccttctca tcagcgttgc
801 cagcaagcct ttctgtctgc tccagtccac cactggaagg tggacgtgg gtagtgcaac gtgcaaggtt gtgcgatatt tcaatatct cactccaggt
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> RDC0306 Translated Insert Sequence

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101 nyfvvsmaca dlilsvastp fvllqfittgr wtlgsatckv vryfyqltpg vqiylvllsic idrfytivyp lsfkvsreka kkmiaaswif dagfvtpvlf
201 fygsnwdshc nyflpssweg taytvihflv gfvipsvlii lfyqkvikyi wrigtgtrv rrtmnivprt kvktikmfli lnl1llslw pfhvaqlwhp
301 heqdykksl vftaitwisf sssaskptly siyanfrfrg mketfcmssm kcyrsnayti tssrmakkn yvgiseipsm aktitkdiy dsfareakek
401 klawpnsnp pntfv