

## Specifications:

Gene:	mGpr110
Accession:	AAH19217
Insert size:	2740bp
Concentration:	10µg at 0.2µg/µL

## mGPR110 cDNA Plasmid

**Gpr110 G protein-coupled receptor 110 [ *Mus musculus* (house mouse) ]**

**Also known as:** PGR19;  
KPG\_012; hGPCR36

### Summary:

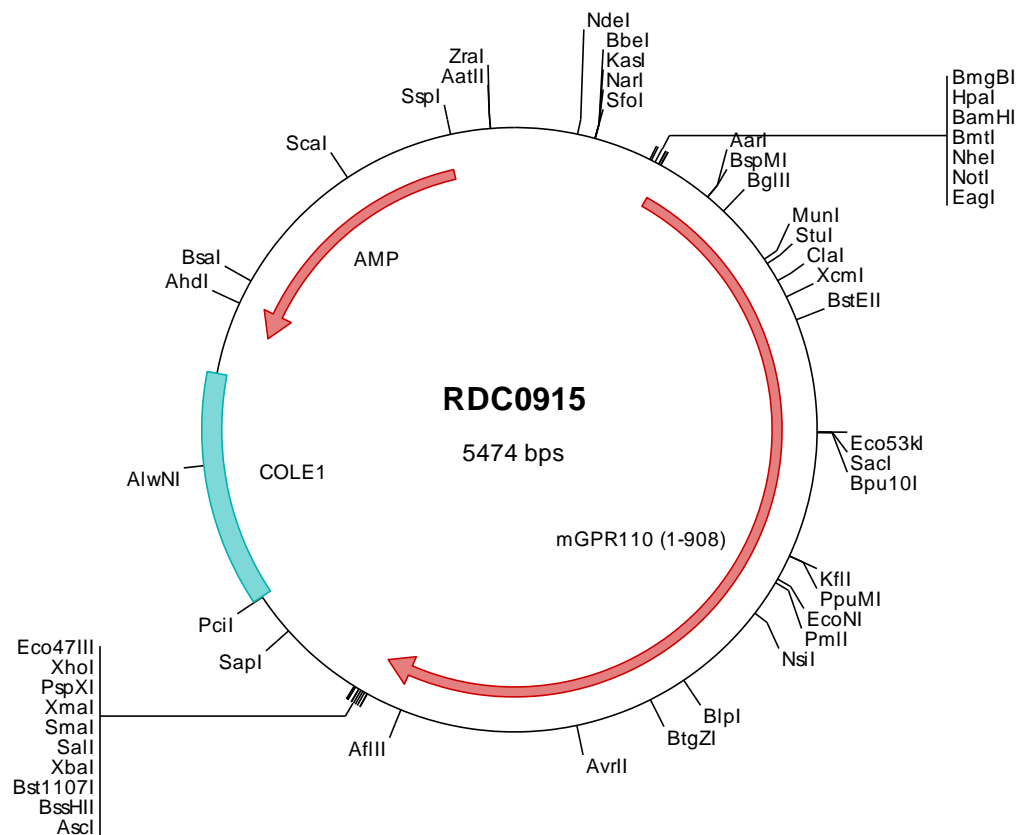
GPR110 is an orphan G protein-coupled receptor (GPCR). G protein-coupled receptors translate extracellular signals into intracellular signals and they respond to a variety of signaling molecules, such as hormones and neurotransmitters. This gene is greatly over expressed in both human lung and prostate cancers. This suggests that GRP110 has a role in tumor physiology and may be a potential therapeutic candidate and disease marker for both lung and prostate 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



> RDC0915 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctcccg gagacgggtca cagcttctct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tccggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatagtcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301 taaggccgct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgagaattg gacttctctg gctcgtccot ctcttcaacc tcaactgagg
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601 ctgcaggatga catacagaga tccagaggag aagagagaac tgaagagatt tctgaagctc ttgagatctc cgtcgcggag ttaactgggt cccagcaaga
701 tcatcagagt gaaggccacc acatactgca gaagcggaaa aggtttcctg gagtgtgcct gcgaagacag ctatactggt tttctccot cctgccttga
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> RDC0915 Translated Insert Sequence

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101 ecacedsytw fppscldpqn cclhttpvp scncslrglr qsvnferak vwgtfeiden fpedlwnsss dvyahytvgi enqlkeayrr vhfesvrvt
201 qfrkgsivvg yevtgstsp ellfaieqea ekaqealrrq fpvkygsfrv fgkapcnsis fgfgsendey tvpcssgftg smtvrcqssg wqitrescyl
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601 cliieslfwk qtkrsqsy t rniclvniav slliaadvwfi iaatvdpsv psugvaavvf fthffylavf fwmlvlgill ayriilvfhh malttmaig
701 fclygcppll isiiitlavtg psnsykrndv cwlnwsdksk gcaaaaaagg gaataaaggc gacacggaaa llvlrklwrp avgerlnqdd katairmgks llvltpllg
801 twgfgigtma nshnlawhvl fallnafqgf fifcfgildd tkrlrqllsnk lttlsswkt skrnasdtvt qpkclrtfni lqhrmyals htgdssdit
901 ltfqlste