

Specifications:

Gene:	mGpr22
Accession:	NP_780400
Insert size:	1423bp
Concentration:	10µg at 0.2µg/µL

mGPR22 cDNA Plasmid

**Gpr22 G protein-coupled
receptor 22 [*Mus musculus*
(house mouse)]**

Also known as: G protein-coupled
receptor 22

Summary:

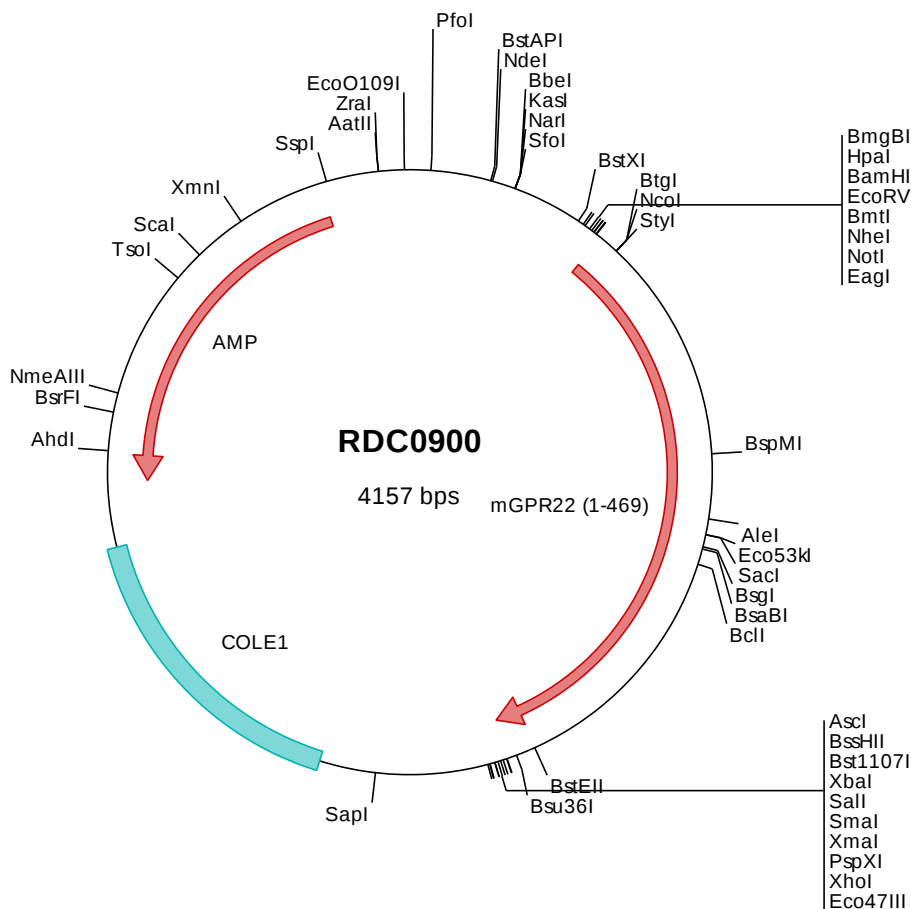
GPR22 is an orphan receptor belonging to the G protein-coupled receptor 1 family. GPR22 mRNA analysis revealed a highly restricted expression pattern, with remarkably abundant and selective expression in the brain and heart. It may play a protective role in response to hemodynamic stress.

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.





> RDC0900 Plasmid DNA Sequence

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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaagggt ggaatgtctg caaggcgatt aagtgtggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaaccgata tcgctagcgc ggccgcaccc atgtcagaat tgtcaatgac atcatgtatc aattttgtgga aaactaccat
501  ggtgagccca aaggcccata aagcaacagt aaacaggcaa aacaccaact gctccaaaag aatgtgtttt tctcctgttc tgaaaatcaa catgcagtct
601  gaatcaaacg tcacgggtgc agatgacatt gatgacatcg acaccaatat gtaccaacca ctgtcatacc cactaagctt tcaagtgtct ctaactggat
701  ttctaatggt agagatcggt ctggggcttg gcagcaacct taccgtctct gtaactttact gcataaaato caacttaac aactctgtca gtaacattat
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4101
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> RDC0900 Translated Insert Sequence

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201  iwifsffsfl ipfievnfss lqsgntwank tllcvstsey ytelgmyyhl lvqipiffit vivmlitytk ilqalnirig trfstgqkkk arkkttisla
301  thettdmsqs sggrnvvgfv rtsvsviaal rravkrhrer rerqrkrvfm sllliistfl cwtpisvlnt tilclgpsdl lvklrlclflv maygttifhp
401  llyaftrqkf qkvlskmmk rvvsiveadp mpnnavihns widpkrnkvv tyedseirek clvpqgvvtd
```