

Specifications:

Gene:	mQrfpr
Accession:	NP_937835
Insert size:	1314bp
Concentration:	10µg at 0.2µg/µL

mGPR103 cDNA Plasmid

**Qrfpr pyroglutamylated
RFamide peptide receptor [*Mus musculus* (house mouse)]**

Also known as: AQ27; Gpr103;
SP9155

Summary:

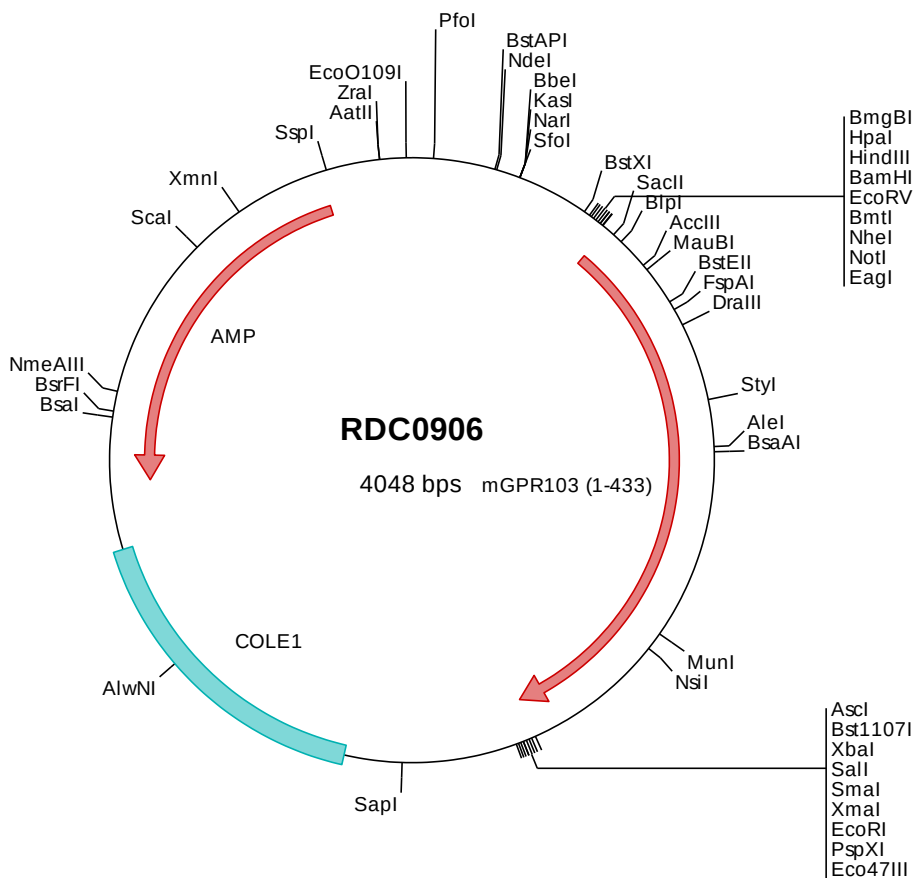
GRP103 is a G protein-coupled receptor for QRFP, an orexigenic neuropeptide involved in regulation of feeding, behavioral arousal, and blood pressure. The activity of this receptor is mediated by G proteins that modulate adenylate cyclase activity and intracellular calcium levels. GPR103 is expressed in brain, heart, kidney, adrenal gland, retina, and testis. GPR103 may regulate adrenal function.

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.





> RDC0906 Plasmid DNA Sequence

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201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
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401  ggagacgtgt taacaagctt ggaatccgata tcgctagcgc ggccgcacac atgcaggcgc tcaacatcac cgcggagcag ttttccgggc tgcagcgc
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> RDC0906 Translated Insert Sequence

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201  cleewaspmh qriyttfilv ilfillplvm lvlyskigy lwikkrvgsd salqtingke mskiarkkkk avmmvttvva lfaacwapfh vvhhmveyss
301  fekeyddvti kmvfavaqti gffnsicnfp vyafmnenfk knflsavcyc ivretfispqg kpgnsgismm qkraklsrsq rpvaekagdl fsdanvdkl
401  ceqpgkekrql krqlaffsse lsenstfgsg hel
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