

Specifications:

Gene:	mGPR10
Accession:	NP_963909
Insert size:	1126bp
Concentration:	10µg at 0.2µg/µL

mGPR10 cDNA Plasmid

Prhr prolactin releasing hormone receptor [*Mus musculus* (house mouse)]

Also known as: Gr3; Gm339; Gpr10; Prrpr

Summary:

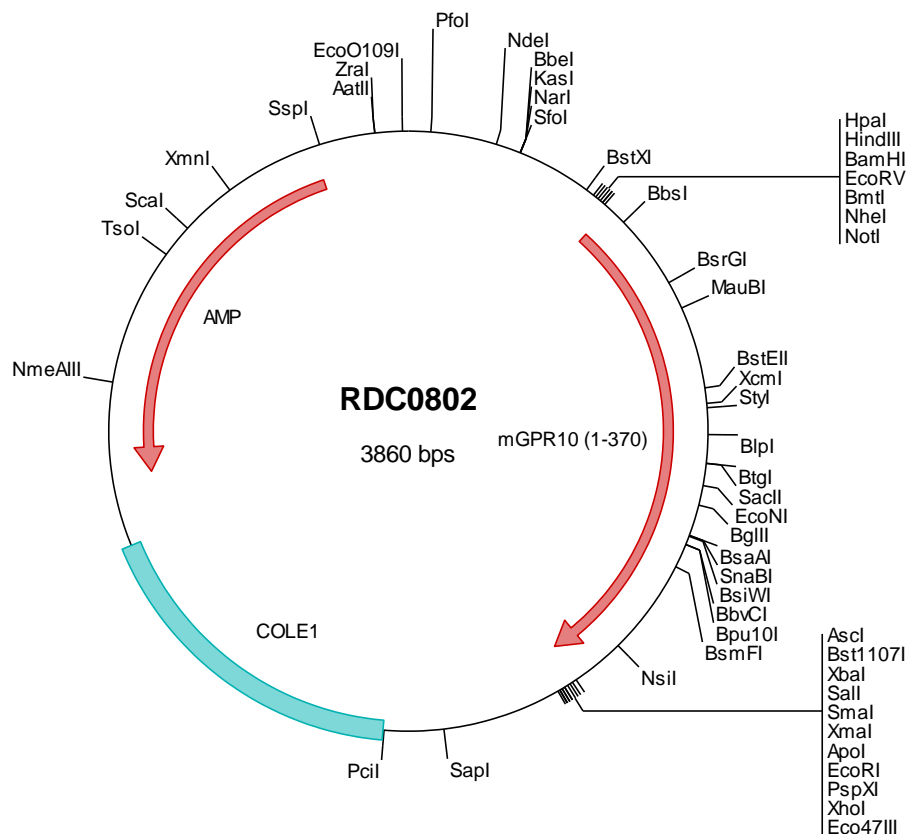
GPR10 is a receptor for prolactin-releasing peptide (PrRP), a molecule that antagonizes the opioid system as well as contributing to the regulation of feeding and energy expenditure. GPR10 may be involved in lactation, regulation of food intake and pain-signaling. It has been shown to regulate body weight in mice.

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.





> RDC0802 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tecggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggccc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggccgcaac atgacctcac tgtccactga gaccactgga gaccccgatt tgtctctctg
501 gctgttgcca gccagctcca ctccagccaa ccagagcgca gaggcctcgg agggcaacct gctcgcgacg gttcccagag ctgcagcagt cacgcccgtt
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1501 ctgtcctggc cccgcaagat tgtgctctat ggccagaaca tgactgtcag cgtggtcatc taaaggcgcg ccagtatact ctagagtoga cccccgggga
1601 attctctgag cgctcgtctc tagcttggcg taatcatggt catagctgtt tctgtgtgta aattgttatc cgctcacaat tccacacaac atacgagcgg
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1801 ccagctgcat taatgaatcg gccaacgccc ggggagaggc ggtttgcgta ttggcgctc ttccgcttcc tgcctcactg actcgtcgtg ctcggtcgtt
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2301 aaccctccgt tcagcccgcac cgtcgcctt tatccggtaa ctatcgtctt gagtccaacc cggtaagaca cgacttatcg ccactggcag cagccactgg
2401 taacaggatt agcagagcga ggtatgtagg cgtgctaca gagtctctga agtgggtgcc taactacggc tacactagaa ggacagtatt tggatctgc
2501 gctctgctga agccagttac cttcggaaaa agagttgta gctctgtatc cggcaaaaa accaccgctg gtacggtgg ttttttggtt tgcagcagc
2601 agattacgcg cagaaaaaaa ggatctcaag aagatccttt gatctttct atcgggtctg acgctcagtg gaacgaaaa tcacgttaag ggattttggt
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> RDC0802 Translated Insert Sequence

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101 nlalsdvlmc aacvpltlay afeprgwvfg gglchlvsfl qvptvysvfv tlttialdry vvlvhlprrr islrslsayav lgiwalsavl alpaavhtyh
201 velkphdvs1 ceefwgsqer qrqiawgll lgtyllplla illsyrvsv klrnrsvpgs vtqsqadwdr arrrrtfc11 vvvvvfvavc wlplhifnll
301 rdldpraidp yafglvqlhc hwlamssacy npiyawlhds sfreelrkml lswprkivph gqnmvtsvvi