

Specifications:

Gene:	rNPFFR1
Accession:	NP_071627
Insert size:	1312bp
Concentration:	10µg at 0.2µg/µL

rNPFFR1 cDNA Plasmid

Npffr1 neuropeptide FF receptor 1 [*Rattus norvegicus*]

Also known as: NPFF1; Gpr147

Summary:

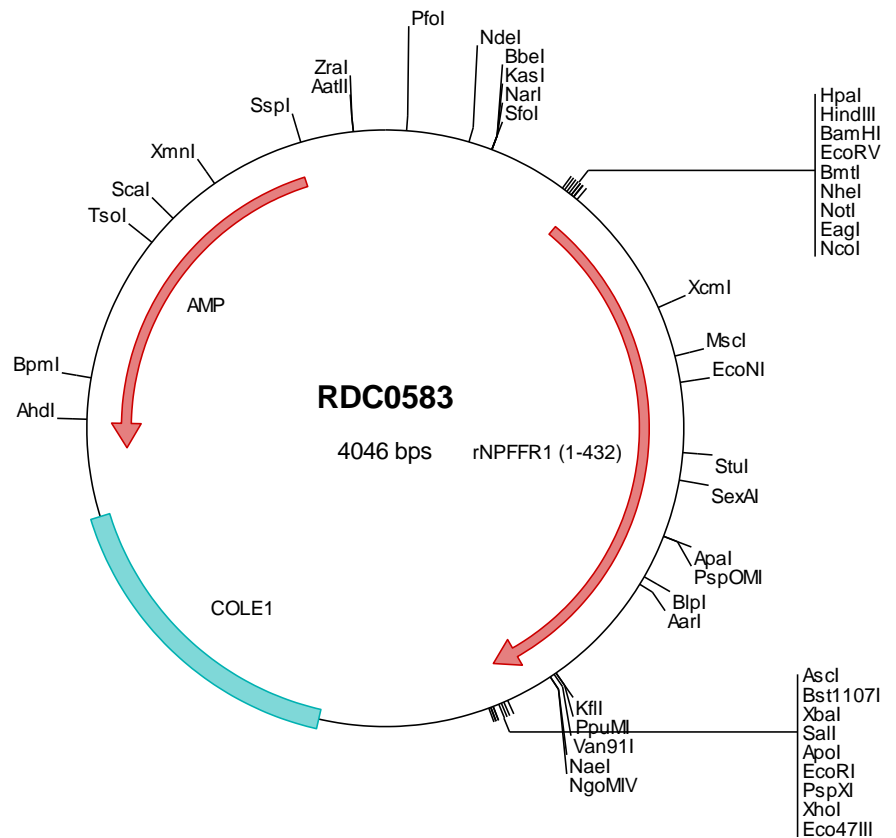
NPFFR1 is a receptor for NPAF (A-18-F-amide) and NPFF (F-8-F-amide) neuropeptides, also known as morphine-modulating peptides. It mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. NPFFR1 is expressed at high levels in the hypothalamus and has a potential role in feeding behavior.

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



> RDC0583 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taaccgacct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt tttccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcgcacc atggaggcgg agccctccca gcctcccaac ggcagctggc ccctgggtca
501 gaacgggagt gatgtggaga ccagcatagc aaccagctc acctctctct ctaactacca acactctct ccggtggcag ccatgttcat cgcggcctac
601 gtgctcatct tcctctctct catggtgggc aacacctggg totgcttcat tgtgctcaa aaccggcaca tgcgactgt caccaacatg tttatctca
701 acctggcctg cagcagctg ctggtgggca tcttctgcat gccacaacc cttgtggaca acctatcac tggttggcct tttgacaacg ccacatgcaa
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1801 cgtctctagc ttggcgtaat catggtcata gctgttctct gtgtgaaatt gttatccgct cacaattcca cacaacatc gagccggaag cataaagtgt
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2101 ggtatcagct cactcaaaag cgttaatacg gttatccaca gaatcagggg ataacgcagg aaagaacatg tgagcaaaag gccagcaaaa gccaggaac
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2401 ggaagcgtg gcgcttctc aatgctcaag ctgtaggtat ctcagttcgg tgtagtctgt tcgctccaag ctggcgtgtg tgcacgaacc ccccgctcag
2501 cccgaccgct ggccttctc cgttaactat cgtctttagt ccaaccgggt aagacacgac ttatcgccac tggcagcagc cactggtaac aggattagca
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4001 atgacattaa cctataaaaa taggcgtatc acgagccct tctctc

> RDC0583 Translated Insert Sequence

1 meaeppn gswplgqngs dvetsiatl tfssyyqhs pvaamfiaay vlifllcmvg ntlvcfivlk nrhmrtvtnm filnlavsd lvgifcmptt
101 lvdnlitgwp fdnatckmsg lvqgmvsas vftlvaiave rfrciwhpfr ekltlrkalf tiaviwalal limcpsavtl tvtreehhfm ldarnrsypl
201 yscweawpek gmrkvytavf fahiylvpla livvmyvria rklcqagppa rdteeavaeg grtsrrrarv vhmlvmvalf ftlslwplwv llllidygel
301 selqlhlsv yafplahlwla ffhssanpii ygyfnenfrr gfqaaafraq cwppwaahkq ayserpnrl rrrrvvdvqp sdsqslpses pssgvppgr
401 lplnrgrvah qdgppegpcc nhmpltipaw ni