

## Specifications:

Gene:	hRXFP3
Accession:	AAH95526
Insert size:	1422bp
Concentration:	10µg at 0.2µg/µL

## hRXFP3 cDNA Plasmid

**RXFP3 relaxin/insulin-like family peptide receptor 3 [ *Homo sapiens* (human) ]**

**Also known as:** SALPR; RXFPR3; GPCR135; RXFP3

### Summary:

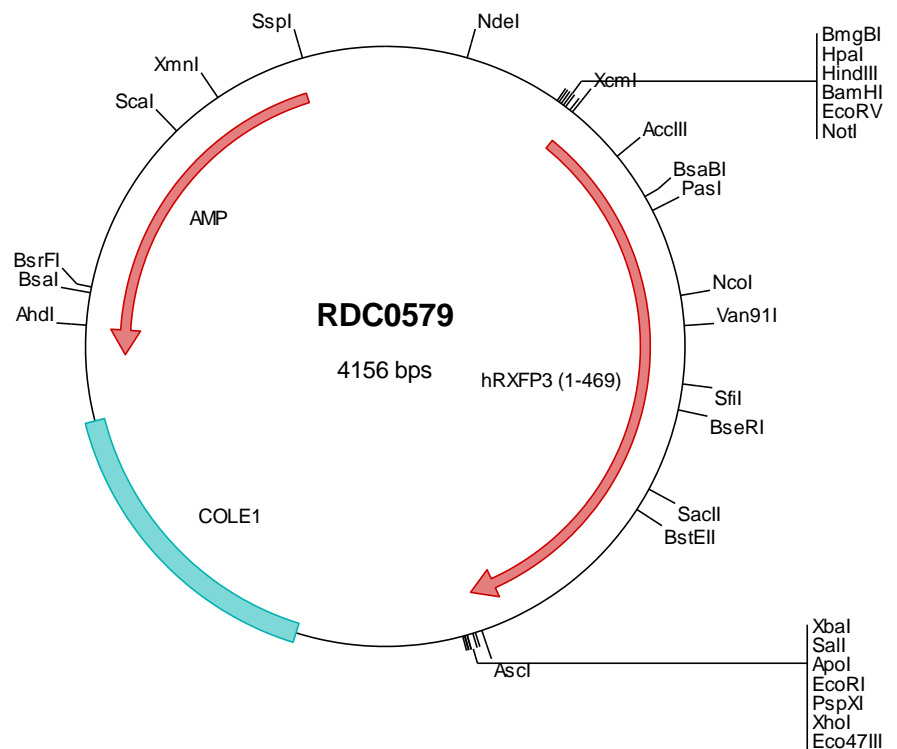
RXFP3 belongs to the G protein-coupled receptor 1 family. It is the receptor for RNL3/relaxin-3. Binding of RXFP3 to its ligand inhibits cAMP accumulation. RXFP3 is expressed in the central nervous system and has the highest expression in substantia nigra and pituitary. RXFP3-selective peptides represent valuable pharmacological tools for the development of novel compounds for the treatment of affective and cognitive disorders.

## 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.





> RDC0579 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301 taacggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc gggccgccacc atgcagatgg ccgatgcagc cacgatagcc accatgaata aggcagcagg
501 cggggacaag ctagcagaac tcttcagttc ggtcccggaac cttctggagg cggccaacac gagtggtaac cgcgtcgctgc agcttcggga cttgtggtgg
601 gagctggggc tggagttgcc ggaogagagc ccaccaggac atccccggg cagcggcggg gcagagagcg cggacacaga ggccccgggt cggatttoca
701 tcagcgtggt gtactgggtg gtgtgcgccc tggggttggc gggcaacctg cttgttctct acctgatgaa gagcatgcag ggttcggcga agtctctata
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2001 cataaagtgt aaagcctggg gtgcctaagt agtgagctaa ctacacattaa ttgctgtgcy ctcactgccc gctttccagt cgggaaacct gtcgtgccag
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2401 aaccgcagc gactataaag ataccaggcg tttccccctg gaagctccct cgtgctctct cctgttccga cctcggcgt taccggatac ctgtccgct
2501 ttctcccttc ggggaagcgtg gcgctttctc aatgctcag ctgtaggtat ctgagttcgg ttaggtcgt tcgctccaag ctgggctgtg tgcacgaacc
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> RDC0579 Translated Insert Sequence

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101 lvlylmksmq gwrkssinlf vtnlaltdfq fvltlpfwav enaldfkwpf gkamckivsm vtsmnyasv ffltamsvr yhsvasalks hrtrghrgd
201 ccgrslgdsc cfsakalcw iwalaalasl psaisftttk vmgeelclvr fpdkllgrdr qfwlglshs kvllgfvlll giilcylll vrfiadrra
301 gtkgaaavag grptgasarr lskvtsvdi vlsfflclwl pnqalltws i likfnavpfs qeyflcqvy a fpvsclahs nslnplvlyc lvrrrefrkal
401 ksilwriasp sitsmrpfta ttkpehdqg lqapapphaa aepdllypp gvvvysgry dliplsssay