

Specifications:

Gene:	hRXFP1
Accession:	NP_067647
Insert size:	2287bp
Concentration:	10µg at 0.2µg/µL

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.

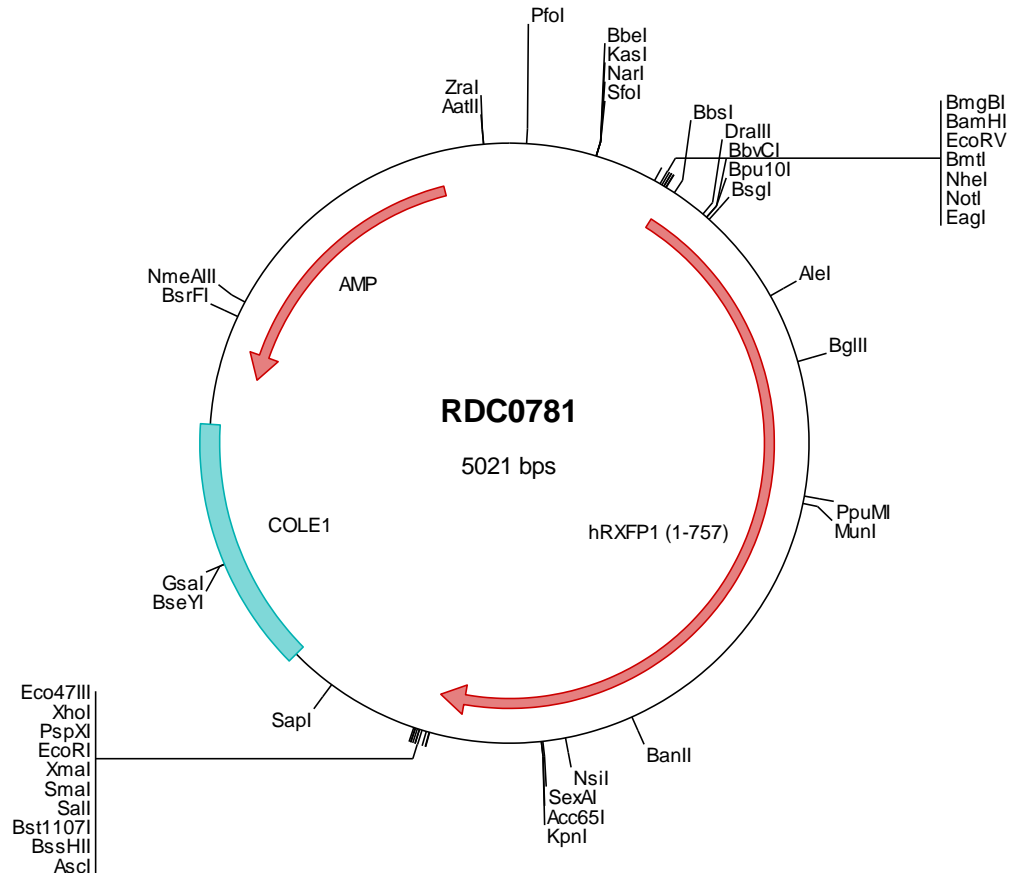
hRXFP1/LGR7 cDNA Plasmid

RXFP1 relaxin/insulin-like family peptide receptor 1 [*Homo sapiens* (human)]

Also known as: LGR7; RXFPR1

Summary:

RXFP1 is a member of the leucine-rich repeat-containing subgroup of the G protein-coupled receptor superfamily. It is a receptor for the protein hormone relaxin and plays a role in sperm motility and pregnancy. Decreased expression of this receptor may play a role in scleroderma and endometriosis. Alternatively spliced transcript variants encoding multiple proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0781 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcagggcgcg tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgcc accatattgcg gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcgcatt caggctgcgc aactgttggg aagggcgatc ggtcggggcc tcttcgctat
301 taaggccgct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgacatctg gttctgtctt cttctacatc ttaatttttg gaaaatattt
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601 gacgaactgc ggaatcaggc cgatgaggac aactgtggag acaacaatgg atggtctctg caatttgaca aatattttgc cagtactac aaaatgactt
701 cccaatatcc ttttgaggca gaaacacctg aatgtttggt cggttctctg ccagtccaat gtctttgcca aggtctggag cttgactgtg atgaaaccaa
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1301 atcaactaaa tgaaaatact ttgcaacctc tccagaaact ggatgaattg gatttaggaa gtaataagat tgaaaactt ccaccgcta tattcaagga
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2601 caactgggtg gaaatgtggc gattgcagga gtttccactc gctgtaatga agccctgtt tttcacatcc cctctgtgaa tgtcaactgat ttctcaatca
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3001 cggtttgcgt attggcgct ctcccgcttc ctgcctcact gactcgtctc gctcgtctgt tccgctgcgg cgagcggtaa cagctcactc aaaggcggta
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5001 gtatcacgag gccctttct c

> RDC0781 Translated Insert Sequence

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101 pvqclcggle ldcdetnira vpsvssnvta mslqwnlirk lppdefknyh dlqklylqnn kitsisiyaf rglnsltkly lshnritflk pgvfedhlrl
201 ewliiednhl srispptfyg lnsllllvml nnvltrlpdk ploqhmprlh wldlegnhh nlrnltfisc snltvlmrk nkinhlntent faplqklldel
301 dlgsnkienl pplifkdlke lsqnlisnyp iqkiganqfd ylvklkslsl egieisniqg rmfrplmnl hiyfkfkyq gyaphvrsck pntdgissle
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701 qrksmsdskgq ktyapsfiw emwplqemp elmkpdlfty pcemslisqs trlnsys