

Specifications:

Gene:	mPROKR2
Accession:	NP_659193
Insert size:	1157bp
Concentration:	10µg at 0.2µg/µL

mPROKR2 cDNA Plasmid

Prokr2 prokineticin receptor 2
[*Mus musculus* (house mouse)]

Also known as: PKR2; Gpr73l1;
Gpcr73l1; EG-VEGRF2

Summary:

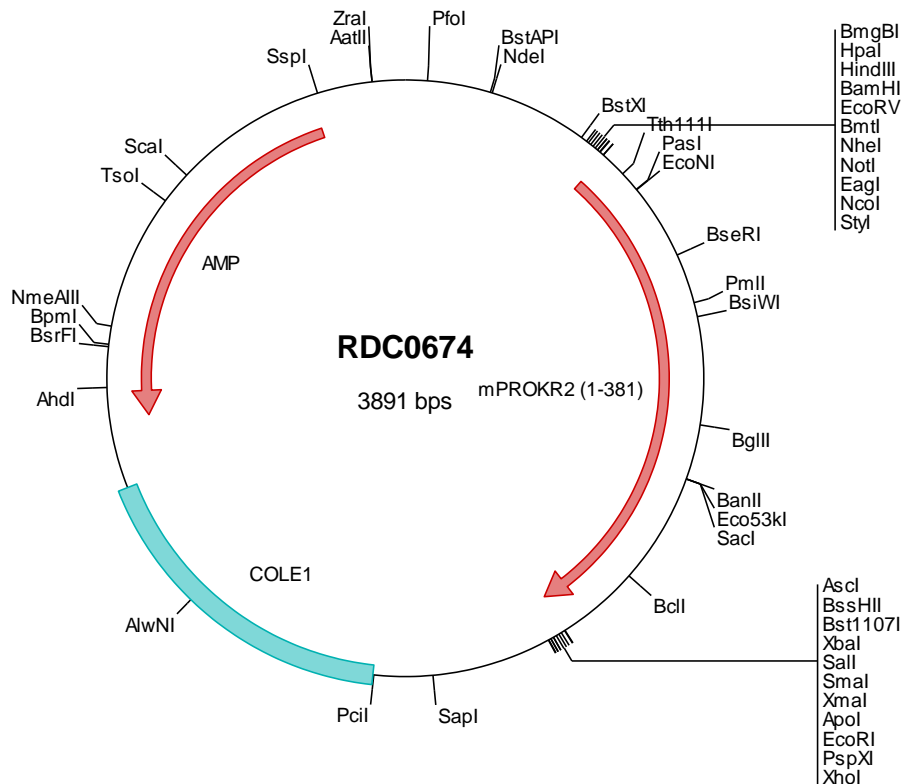
PROKR2 is a receptor for prokineticin 2 that is exclusively coupled to the G(q) subclass of heteromeric G proteins. Its highest level of expression is seen in paraventricular thalamic nuclei and it is also extensively expressed in the suprachiasmatic nucleus. Its activation leads to mobilization of calcium, stimulation of phosphoinositide turnover and activation of p44/p42 mitogen-activated protein kinase.

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



> RDC0674 Plasmid DNA Sequence

1 tcgctgcttt cggatgatgac ggtgaaaacc tetgacacat gcaactcccc gagacggtca cagcttctgt gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggcagct ggcgaaagg ggtatgtctg caaggcgatt aagtgggta acgcccgggt tttccagtc acgacgttg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggtccgata tetgtagcgc ggcgcgccacc atgggacccc agaacagaaa cactagcttt gcaccagact tgaatccacc
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> RDC0674 Translated Insert Sequence

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301 vvvkehlylt afyvveciam snsminticf vtvkntmky fkkmlrlhwr pshygsksa dldlktsgvp ateevdcirl k