

Specifications:

Gene:	hP2RY4
Accession:	NP_002556
Insert size:	1111bp
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.

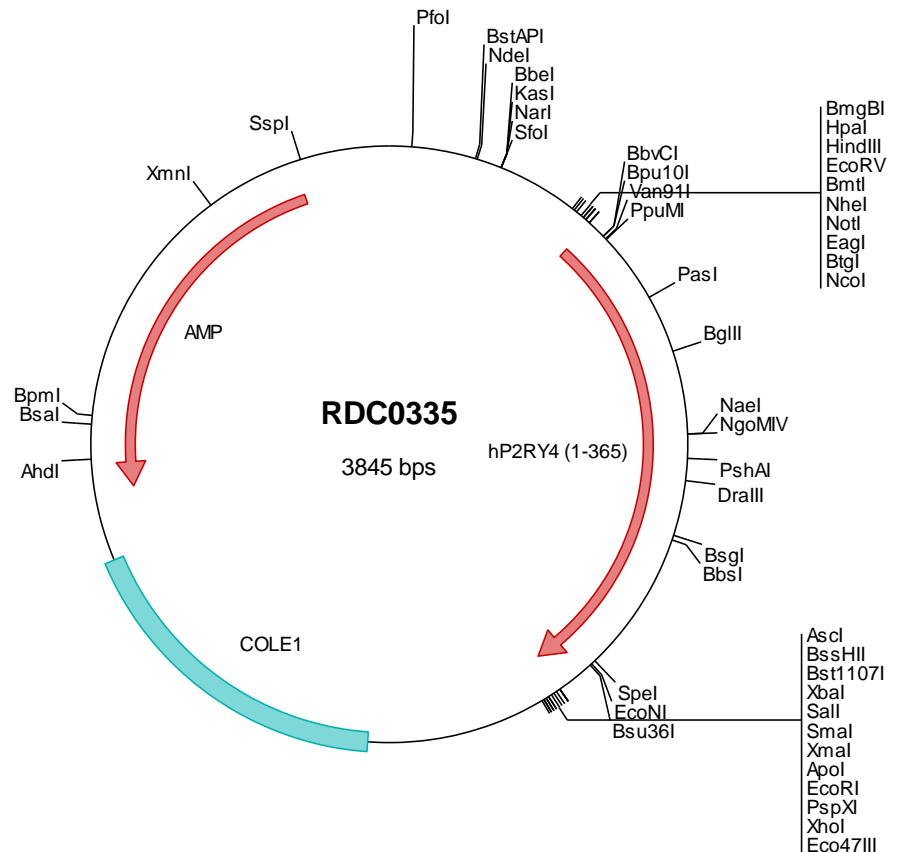
hP2RY4 cDNA Plasmid

**P2RY4 pyrimidinergic receptor
P2Y, G protein-coupled, 4
[*Homo sapiens*]**

Also known as: NRU; P2P; UNR;
P2Y4

Summary:

P2RY4 belongs to the family of G protein-coupled receptors. This family has several receptor subtypes with different pharmacological selectivity, which overlaps in some cases, for various adenosine and uridine nucleotides. P2RY4 is responsive to uridine nucleotides, partially responsive to ATP, and not responsive to ADP. P2RY4 is expressed in the pancreas.





> RDC0335 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctccc 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 ggtcgggcc tcttcgctat
301 taaggcagct ggcgaaagg gtagtgctg caaggcgatt aagtgggta acggcagggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt gtagccgata tcgctagcgc gggcggcaac atggctagta cagagtocto cctgttgaga tccttaggcc tcagcccagg
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601 ggcctaaag ccccaacct atggctcttc atottccgcc tccgacctg gtagtcaacg gccacctaca tgttccacct ggcattgtca gacacctgtg
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901 ctgcgaggcc ttctctgctt ggcagtttgg ttggtcgtag ccggctgctt cgtgcccacc ctgttctttg tcaacaaccg caacaaaggg accaccgtcc
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1801 aatcggccaa cgcgcgggga gaggcgggtt cgcgtattgg cgcctctccg ctctctcctg cactgactcg ctgcgctcgg tctgttcggct gcggcgagcg
1901 gtatcagctc actcaaaagg ggaataacgg ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaaag ccagcaaaag gccaggaacc
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2301 ccgaccgctg cgccttatcc ggtaaactatc gtcttgagtc caaccggta agacacgact tatcgccact ggcagcagcc actggtaaca ggattagcag
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2501 gttaccttcg gaaaaagagt tggtagctct tgatccggca aacaaccac cgctggttagc ggtggtttt ttgtttgcaa gcagcagatt acgcccagaa
2601 aaaaaggatc tcaagaagat cttttgatct tttctacggg gtctgacgct cagtggaaag aaaactcagc ttaaggatt ttggtcatga gattatcaaa
2701 aaggatcttc acctagatcc ttttaatta aaaaatgaagt tttaaatcaa tctaaagtat atatgagtaa acttggctcg acagttacca atgcttaatc
2801 agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc gtcgtgtaga taactacgat accggagggc ttaccatctg
2901 gcccagtgcc tgcaatgata ccgagagacc caagctcacc ggcctccagat ttatcagcaa taaaccagcc agccggaagg gccgagcgca gaagtgttcc
3001 tgcaacttta tccgcccctca tccagctctat taattgttgc cgggaagcta gtagtaagtag ttccgcccgtt aatagtttgc gcaacgttgt tgcatttgtc
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3501 gatccagttc gatgtaaccc acctgtgcac ccaactgatc ttcagcatct tttactttca ccagcgttctc tgggtgagca aaaacaggaa gcaaaaatgc
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3801 tgacattaac ctataaaaat agcgttatca cgaggccctt tcgtc

> RDC0335 Translated Insert Sequence

1 mastessllr slglspgpgs seveldcwfd edfkfillpv syavvfvlgf glnaptlwlw ifrlrpwdat atymfhlals dtlyvlslpt liyyyaahn
101 wpfgteickf vrflfywnly csvflftcis vhyrlgichp lralrwrpr lagllclaw lvvagclvvn lffvttsnkg ttvlchdtrr peefdhvvhf
201 ssavmgllfg vpclvtlvcy glmarrlyqp lpgsaqsssr lrslrtiavv ltvfavcfvp fhitrtyiyl arlleadcrv lnivnvvykv trplasan
301 ldpvlylltg dkyrrqlrlq cgggkppprt aasslalvsl pedsscrwaa tpqdsccstp radrl