

## Specifications:

Gene:	mPTH1R
Accession:	NP_035329
Insert size:	1789bp
Concentration:	10µg at 0.2µg/µL

## mPTH1R cDNA Plasmid

**Pth1r parathyroid hormone 1 receptor [ *Mus musculus* (house mouse) ]**

**Also known as:** PPR; Pthr; Pthr1

### Summary:

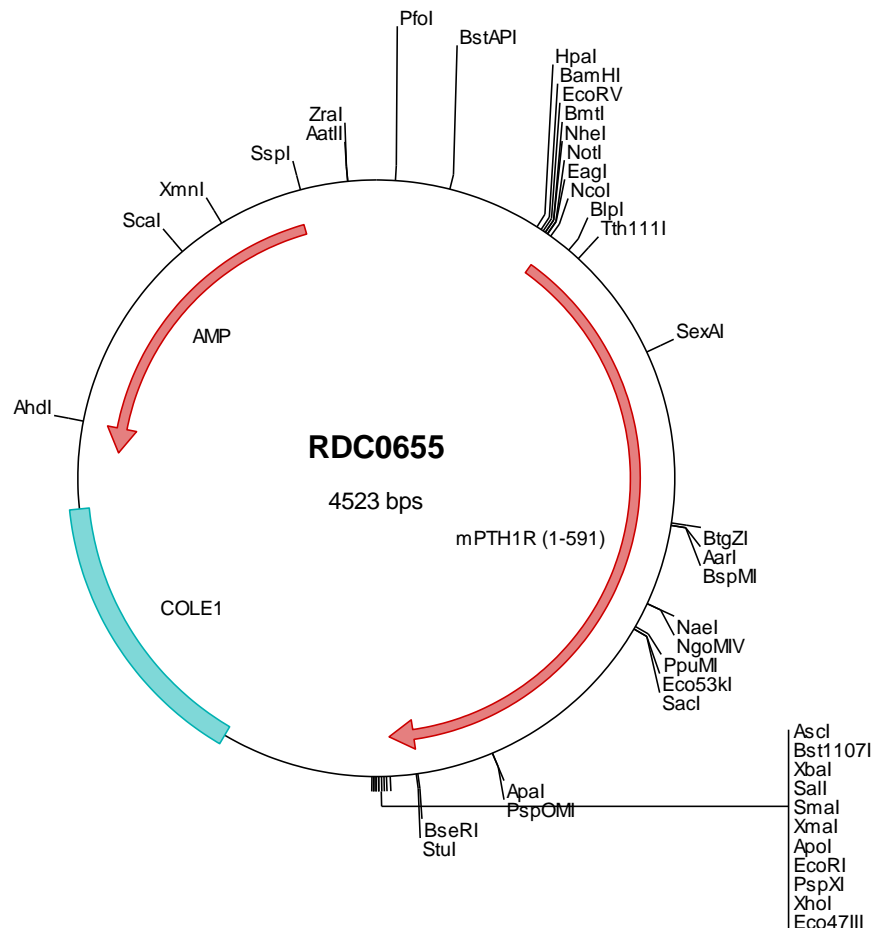
PTH1R belongs to the G protein-coupled receptor 2 family. PTH1R is a receptor for parathyroid hormone and parathyroid hormone-related peptide. Its activity is mediated by G proteins which activate adenylyl cyclase and also a phosphatidylinositol-calcium second messenger system.

## 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



> RDC0655 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgccc aactgttggg aaggcgatc ggtgcccggc tcttcgctat
301 taacggcagc ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccgatc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggcgcgccacc atggggaccg cccggatcgc acccagcctg gcgctccttc tetgtctgcc
501 agtgcctcagc tccgcatatg cgctgggtgga cgcagacgat gtctttacca aagaggaaca gattttcctg ctgcaccgtg cccaggcgca atgtgacaag
601 ctgctcaagg aagtcttgcac cacagcagcc aacataatgg agtcagacaa aggggtggac ccagcatcta cgtcagggaa gcccaggaaa gagaaggcac
701 cgggaaagt ctaccocag tctaaaagaga acaaggatgt gccaccggcg agcaggcgcc gaggcgctcc ctgtctgcca gattgggaca acatcgtttg
801 ctggccattg vgggcaccag gtgaagtggg ggcagtaacct tgtcccgatt acatttatga ctcaaccac aaaggccatg cctacagacg ctgcgaccgc
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4501 gcgtatcacg aggccttttc gtc

> RDC0655 Translated Insert Sequence

1 mgtariapsl alllccpvls sayalvdadd vftkeeqifl lhraqaqcdk llkevlhtaa nimesdkgwt pastsgkprk ekapkgfype skenkdvptg
101 srrrrgrpclp ewdnivcwp l gapgevvavp cpdyiydfnh kghayrrcdr ngswevvpgh nrtwanysec lkfmtnetre revfdrlgmi ytvgymsla
201 sltvavllila yfrrlhctrn yihmhmlfsf mlraasifvk davlysgftl deaerltee hliiaqvppp paaaavygag crvavtffly flatnywil
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501 shtsvtnvpg raglsrlp sp rllpattng h sqlpghakpg apaienitip vtmtvpkddg flngscsgld eeaagsarpp pllqeewetv m