*h*NPY5R VersaClone cDNA

Catalog Number: RDC0159

Specifications:

Gene:	*h*NPY5R
Accession:	NP_006165
Insert size:	1351bp
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

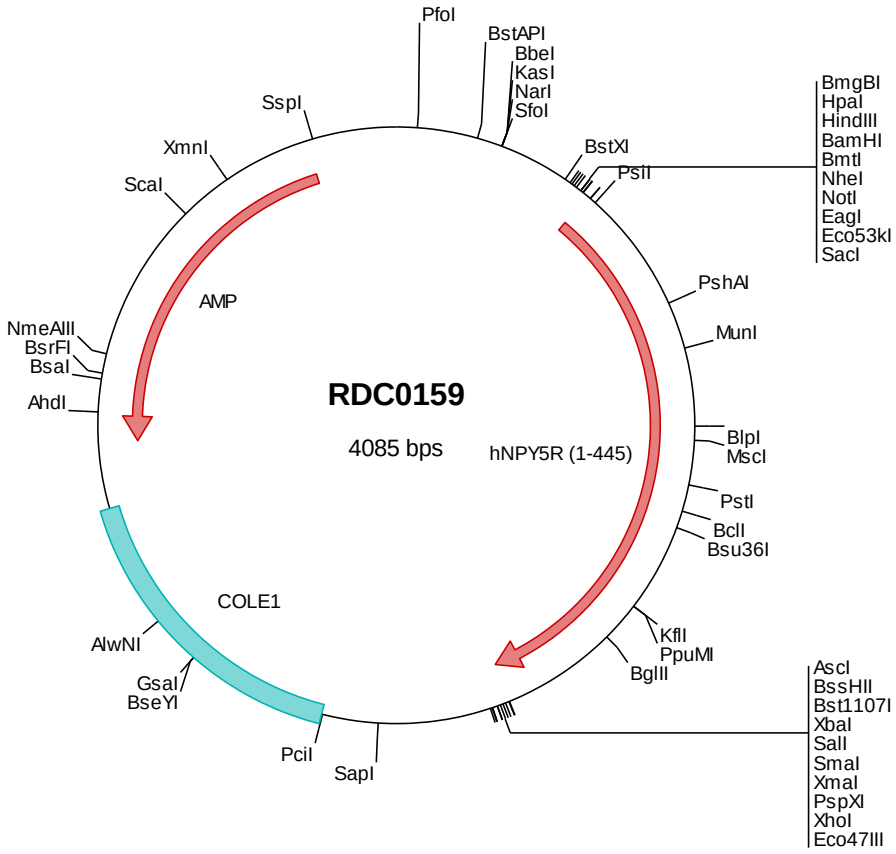
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*NPY5R cDNA Plasmid

NPY5R neuropeptide Y receptor Y5 [*Homo sapiens*]

Also known as: NPYR5

Summary:
NPY5R is a member of the G protein-coupled receptor 1 family. Functionally, NPY5R is a receptor for neuropeptide Y and peptide YY. Neuropeptide Y is one of the most abundant neuropeptides in the mammalian nervous system and exhibits a diverse range of important physiologic activities, including effects on psychomotor activity, food intake, regulation of central endocrine secretion, and potent vasoactive effects on the cardiovascular system. NPY receptors represent novel molecular therapeutic targets in cancer and obesity.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

>RDC0159 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggatttag agctcgacga gtattataac aagacacttg ccacagagaa
 501  taatactgct gccactcgga attctgattt cccagtctgg gatgactata aaagcagtgt agatgactta cagtattttc tgattgggct ctatacattt
 601  gtaagtcttc ttggctttat ggggaatcta cttattttaa tggctctcat gaaaaagcgt aatcagaaga ctacggtaaa cttcctcata ggcaatctgg
 701  ccttttctga tatcttggtt gtgctgtttt gctcaccttt cacactgacg tctgtcttgc tggatcagtg gatgtttggc aaagtcatgt gccatattat
 801  gccttttctt caatgtgtgt cagttttggt ttcaacttta attttaatat caattgccat tgtcaggtat catatgataa aacatcccat atctaataat
 901  ttaacagcaa accatggcta ctttctgata gctactgtct ggacactagg ttttgccatc tgttctcccc ttccagtgtt tcacagtctt gtggaacttc
1001  aagaaacatt tggttcagca ttgctgagca gcaggtattt atgtgttgag tcatggccat ctgattcata cagaattgcc tttactatct ctttattgct
1101  agttcagtat attctgccct tagtttgtct tactgtaagt catacaagtg tctgcagaag tataagctgt ggattgtcca acaaagaaaa cagacttgaa
1201  gaaaatgaga tgatcaactt aactcttcat ccatccaaaa agagtgggcc tcaggtgaaa ctctctggca gccataaatg gagttattca ttcatcaaaa
1301  aacacagaag aagatatagc aagaagacag catgtgtgtt acctgctcca gaaagacctt ctcaagagaa ccactccaga atacttccag aaaactttgg
1401  ctctgtaaga agtcagctct cttcatccag taagttcata ccaggggtcc ccacttgctt tgagataaaa cctgaagaaa attcagatgt tcatgaattg
1501  agagtaaaac gttctgttac aagaataaaa aagagatctc gaagtgtttt ctacagactg accatactga tattagtatt tgctgttagt tggatgccac
1601  tacacctttt ccatgtggta actgatttta atgacaatct tatttcaaat aggcatttca agttggtgta ttgcatttgt catttgttgg gcatgatgtc
1701  ctgttgtctt aatccaattc tatatgggtt tcttaataat gggattaaag ctgatttagt gtcccttata cactgtcttc atatgtaaag gcgcgccagt
1801  atactctaga gtcgacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag ctgtttcctg tgtgaaattg ttatccgctc
1901  acaattccac acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac tcacattaat tgcgttgcgc tcactgcccg
2001  ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt gcgtattggg cgctcttccg cttcctcgct
2101  cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg ttatccacag aatcagggga taacgcagga
2201  aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc ataggctccg ccccccctgac gagcatcaca
2301  aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccccctgg aagctccctc gtgcgctctc ctgttccgac
2401  cctgccgctt accggatacc tgtccgcctt tctcccttcg ggaagcgtgg cgctttctca atgctcacgc tgtaggtatc tcagttcggt gtaggtcgtt
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2801  ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa aaaaaggatc tcaagaagat cctttgatct tttctacggg gtctgacgct cagtggaacg
2901  aaaactcacg ttaagggatt ttggtcatga gattatcaaa aaggatcttc acctagatcc ttttaaatta aaaatgaagt tttaaatcaa tctaaagtat
3001  atatgagtaa acttggtctg acagttacca atgcttaatc agtgaggcac ctatctcagc gatctgtcta tttcgttcat ccatagttgc ctgactcccc
3101  gtcgtgtaga taactacgat acgggagggc ttaccatctg gccccagtgc tgcaatgata ccgcgagacc cacgctcacc ggctccagat ttatcagcaa
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3401  cgatcaaggc gagttacatg atcccccatg ttgtgcaaaa aagcggttag ctccttcggt cctccgatcg ttgtcagaag taagttggcc gcagtgttat
3501  cactcatggt tatggcagca ctgcataatt ctcttactgt catgccatcc gtaagatgct tttctgtgac tggtgagtac tcaaccaagt cattctgaga
3601  atagtgtatg cggcgaccga gttgctcttg cccggcgtca atacgggata ataccgcgcc acatagcaga actttaaaag tgctcatcat tggaaaacgt
3701  tcttcggggc gaaaactctc aaggatctta ccgctgttga gatccagttc gatgtaaccc actcgtgcac ccaactgatc ttcagcatct tttactttca
3801  ccagcgtttc tgggtgagca aaaacaggaa ggcaaaatgc cgcaaaaaag ggaataaggg cgacacggaa atgttgaata ctcatactct tccttttca
3901  atattattga agcatttatc agggttattg tctcatgagc ggatacatat ttgaatgtat ttagaaaaat aaacaaatag gggttccgcg cacatttccc
4001  cgaaaagtgc cacctgacgt ctaagaaacc attattatca tgacattaac ctataaaaat aggcgtatca cgaggccctt tcgtc
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> RDC0159 Translated Insert Sequence

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 101  svlldqwmfg kvmchimpfl qcvsvlvstl ilisiaivry hmikhpisnn ltanhgyfli atvwtlgfai csplpvfhsl velqetfgsa llssrylcve
 201  swpsdsyria ftislllvqy ilplvcltvs htsvcrsisc glsnkenrle eneminltlh pskksgpqvk lsgshkwsys fikkhrrrys kktacvlpap
 301  erpsqenhsr ilpenfgsvr sqlsssskfi pgvptcfeik peensdvhel rvkrsvtrik krsrsvfyrl tililvfavs wmplhlfhvv tdfndnlisn
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