

Product datasheet for **RN214102**

Npy5r (NM_012869) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npy5r (NM_012869) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Npy5r
Synonyms:	NPYR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN214102 representing NM_012869
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGTTTAAGCTTGAGGAGCATTTTAAACAAGACATTTGTCACAGAGAACAATACAGCTGCTGCTCGGA
 ATGCAGCCTTCCCTGCCTGGGAGGACTACAGAGGCAGCGTAGACGATTTACAATACTTTCTGATTGGGCT
 CTATACATTTCGTAAGTCTTCTTGCTTTATGGGCAATCTACTTATTTAATGGCTGTTATGAAAAAGCGC
 AATCAGAAGACTACAGTGAACCTTCTCATAGGCAACCTGGCCTTCTCCGACATCTTGGTCGCTCTGTTTT
 GCTCCCTTTACCCCTGACCTCTGTCTTGTGGATCAGTGGATGTTTGGCAAAGCCATGTGCCATATCAT
 GCCGTTCTTCAATGTGTGTGAGTCTGGTTTCAACTCTGATTTAATATCAATTGCCATTGTCAGGTAT
 CATATGATAAAGCACCTATTTCTAACAATTTAACGGCAAACCATGGCTACTTCTGATAGCTACTGTCT
 GGACACTGGGCTTGGCATCTGTTCTCCCTCCCAGTGTTCACAGTCTGTGGAACCTAAGGAGACCTT
 TGGCTCAGCACTGCTGAGTAGCAAAATATCTCTGTGTTGAGTCATGGCCCTGATTTCATACAGAATTGCT
 TTCACAATCTCTTTATTGCTAGTGCAGTATATCCTGCCTCTAGTATGTTTAAACGGTAAGTCATACCGG
 TCTGCCGAAGCATAAGCTGTGGATTGTCCCAAAAGAAAACAGACTCGAAGAAAATGAGATGATCAACTT
 AACCTACAGCCATCCAAAAAGAGCAGGAACCAGGCAAAAACCCCGAGCACTCAAAAAGTGGAGCTACTCA
 TTCATCAGAAAGCACAGAAGGAGGTACAGCAAGAAGACGGCCTGTGTCTTACCCGCCAGCAGGACCTT
 CCCAGGGGAAGCACCTAGCCGTTCCAGAAAATCCAGCCTCCGTCGGTAGCCAGCTGTCCCATCCAGTAA
 GGTCATTCCAGGGTCCCAATCTGCTTTGAGGTGAAACCTGAAGAAAGCTCAGATGCTCATGAGATGAGA
 GTCAAGCGTTCATCACTAGAATAAAAAAGAGATCTCGAAGTGTCTTCTACAGACTGACCATACTGATAC
 TCGTGTTCCGCGTTAGCTGGATGCCACTCCACGTCTCCACGTGGTGACTGACTTCAATGATAACTGAT
 TTCCAATAGGCATTTCAAGCTGGTATACTGCATCTGTCACTTGTAGGCATGATGTCCTGTTGTCTAAAT
 CCGATCTATATGGTTTCTTAATAATGGTATCAAAGCAGACTTGAGAGCCCTTATCCACTGCCTACACA
 TGTCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1580_b08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_012869

Insert Size: 1338 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_012869.1](#), [NP_037001.1](#)

RefSeq Size: 2475 bp

RefSeq ORF: 1338 bp

Locus ID: 25340

UniProt ID: [Q63634](#)

Cytogenetics: 16p14

Gene Summary: receptor for neuropeptide Y and neuropeptide Y Y1; may be involved in regulation of energy homeostasis [RGD, Feb 2006]