

Product datasheet for **MC216273**

Npy5r (NM_016708) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npy5r (NM_016708) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Npy5r
Synonyms:	NPY5-R; NPYY5-R; Y5R
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216273 representing NM_016708
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGTTAAACTTGAAGAGCATTTTAAACAAGACATTTGTCACGGAGAACAATACTGCTGCCAGTCAGA
 ACACGGCCTCCCCTGCCTGGGAGGACTACAGAGGCACAGAGAACAATACTTCTGCTGCTCGGAACACTGC
 CTTTCCAGTCTGGGAGGACTATAGAGGCAGCGTAGACGACTTACAATACTTCTGATTGGGCTCTATAACA
 TTTGTAAGTCTTCTTGGTTTTATGGGAAATCTACTTATCTTAATGGCTGTTATGAAAAAGCGCAATCAGA
 AGACTACAGTGAACCTTCTCATAGGCAACCTGGCCTTCTCCGACATTTTGGTTGCTCTGTTTGTCCCC
 TTTCCACCTGACCTCTGTCTTGGTATCAGTGGATGTTTCGGCAAAGCCATGTGCCATATCATGCCATTC
 CTTCAGTGTGATCAGTCTGGTTCAACTCTGATTTTAAATCGATTGCCATTGTCAGGATCATATGA
 TAAAGCACCTATATCTAACAAATTAACAGCAAACCATGGCTACTTCTGATAGCTACTGCTGGACACT
 GGGCTTTGCCATCTGTTCTCCCCTCCCAGTGTTTCACAGCCTTGTGGAACCTTAAGGAAACCTTTGGCTCA
 GCATTGCTAAGCAGCAAGTATTTGTGTGTGAGTCATGGCCCTCTGATTCATACAGAATTGCTTTCACAA
 TCTCTTTATTGTTAGTTCAGTATATCCTGCCTCTAGTATGTTTAAACAGTAAGTCATACTAGTGTCTGCAG
 GAGTATAAGCTGTGGATTGTCCCACAAAGAAAACAGACTCGAAGAAAATGAGATGATCAACTTAACTCTA
 CATCCATCCAAAAAGAGTCGGGACCAGGCAAAACCCCCAGCACTCAAAAGTGGAGCTACTCATTTCATCA
 GAAAGCACCGAAGAAGGTACAGCAAGAAGACGGCATGCGTGTACCCGCCCCAGCAGGACCTTCCAGGA
 GAAGCACCTAACCGTCCAGAAAACCCAGGCTCGGTCCGTAGCCAGCTGTACCATCCAGTAAGGTTATT
 CCAGGGTCCCGATCTGCTTTGAGGTGAAACCTGAAGAAAGCTCAGATGCTCAGGAGATGAGAGTCAAGC
 GTTCCCTCACGAGAATAAAGAAGAGATCTCGCAGTGTTTTCTACAGACTGACTATATTGATATTAGTGT
 CGCTGTTAGCTGGATGCCACTCCAGTCTTCCAGTGTTGACCGATTCAATGATAACCTGATTTCCAAT
 AGGCATTTCAAGCTGGTGTACTGCATCTGTCACTTGTAGGCATGATGTCCTGTTGTCTTAAATCCGATCT
 TATATGGATTCCTAATAATGGTATCAAAGCAGACTTGAGAGCCCTTATCCACTGCCTACACATGTCATG
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_016708
- Insert Size:** 1401 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_016708.3](#), [NP_057917.2](#)

RefSeq Size: 2314 bp

RefSeq ORF: 1401 bp

Locus ID: 18168

UniProt ID: [O70342](#)

Cytogenetics: 8 33.15 cM

Gene Summary: Receptor for neuropeptide Y and peptide YY. The activity of this receptor is mediated by G proteins that inhibit adenylate cyclase activity. Seems to be associated with food intake. Could be involved in feeding disorders (By similarity).[UniProtKB/Swiss-Prot Function]