

Product datasheet for **SC116290**

NPY5R (NM_006174) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NPY5R (NM_006174) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPY5R
Synonyms:	NPY5-R; NPYR5; NPY5-R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006174, the custom clone sequence may differ by one or more nucleotides

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ATGGATTTAGAGCTCGACGAGTATTATAACAAGACACTTGCCACAGAGAATAAATACTGCTGCCACTCGGA  
ATTCTGATTTCCAGTCTGGGATGACTATAAAAGCAGTGTAGTACTTACAGTATTTTCTGATTGGGCT  
CTATACATTTGTAAGTCTTCTGGCTTTATGGGAATCTACTATTTTAAATGGCTCTCATGAAAAAGCGT  
AATCAGAAGACTACGGTAACTTCTCATAGGCAATCTGGCCTTTTCTGATATCTGGTTGTGCTGTTTT  
GCTCACCTTTCACACTGACGTCTGTCTTGGTGGATCAGTGGATGTTGGCAAAGTCATGTGCCATATTAT  
GCCTTTTCTTCAATGTGTGCAGTTTTGGTTTCAACTTTAATTTAATATCAATTGCCATTGTCAGGTAT  
CATATGATAAAACATCCCATATCTAATAATTTAACAGCAAACCATGGCTACTTTCTGATAGCTACTGTCT  
GGACACTAGGTTTTGCCATCTGTTCTCCCTTCCAGTGTTCACAGTCTTGTGGAATTCAGAAACATT  
TGGTTCAGCATTGCTGAGCAGCAGGATTTATGTGTTGAGTCATGGCCATCTGATTTCATACAGAATTGCC  
TTTACTATCTCTTTATTGCTAGTTCAGTATATTCTGCCCTTAGTTGTCTTACTGTAAGTCATACAAGTG  
TCTGCAGAAGTATAAGCTGTGGATTGTCCAACAAGAAAACAGACTTGAAGAAAATGAGATGATCAACTT  
AACTCTTCATCCATCCAAAAAGAGTGGGCTCAGGTGAACTCTCTGGCAGCCATAAATGGAGTTATTCA  
TTCATCAAAAAACACAGAAGAAGATATAGCAAGAAGACAGCATGTGTGTTACCTGCTCCAGAAAGACCTT  
CTCAAGAGAACCCTCCAGAATACTTCCAGAAAACCTTTGGCTCTGTAAGAAGTCAGCTCTCTTCATCCAG  
TAAGTTCATACCAGGGTCCCCACTTGTGTTGAGATAAAACCTGAAGAAAATTCAGATGTTTCATGAATTG  
AGAGTAAAACGTTCTGTTACAAGAATAAAAAAGAGATCTCGAAGTGTCTTCTACAGACTGACCATACTGA  
TATTAGTATTTGCTGTTAGTTGGATGCCACTACACCTTTTCCATGTGGTAACTGATTTTAAATGACAACT  
TATTTCAATAGGCATTTCAAGTTGGTGTATTGCATTTGTCAATTTGTTGGGCATGATGCTCTGTTGCTT  
AATCCAATTCTATATGGGTTTCTTAATAATGGGATTAAGCTGATTTAGTGTCCCTTATACACTGTCTTC  
ATATGTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006174 unedited
 GTCCCCGTTTGTATCGACTTCTATAGCGGCCGCGCAATTCGCACGAGGGCCGCCACCGCC
 GGGGTGCATGAGCGATCGCGCTGGGCCGCGCTCCCGGAGCCCATGGCCTGCAGCGGCCG
 GGGCGCCCCGAGGTCTGCTCATTGTGTTTTTTCAGGAAAAAGGAAGGAAAGGGTGTACA
 AGGAAAGGCTATCGGTAACAACCTGACCTGCCACAAAGTTAGAAGAAAGGATTGATTCAAG
 AAAGACTATAATATGGATTTAGAGCTCGACGAGTATTATAACAAGACACTGCCACAGAG
 AATAAATACTGCTGCCACTCGGAATTTCTGATTTCCAGTCTGGGATGACTATAAAAGCAGT
 GTAGATGACTTACAGTATTTTCTGATTGGGCTCTATACATTTGTAAGTCTTCTTGGCTTT
 ATGGGGAATCTACTTATTTTAATGGCTCTCATGAAAAAGCGTAATCAGAAGACTACGGTA
 AACTTCCTCATAGGCAATCTGGCCTTTTCTGATATCTTGGTTGTGCTGTTTTGCTCACCT
 TTCACACTGACGTCTGTCTTGTGGATCAGTGGATGTTTGGCAAAGTCATGTGCCATATT
 ATGCCTTTTCTCAATGTGTGTCAGTTTTGGTTTCACTTTAATTTTAATATCAATTGCC
 ATTGTCAGGTATCATATGATAAAACATCCCATATCTAATAATTTAACAGCAAACCATGGC
 TACTTTCTGATAGCTACTGTCTGGACACTAGGTTTTGCCATCTAGTCTCCCTTCAGTGT
 TTCACAGTCTTGTGGAACCTCAAGAAACATTGTTGAGCATTGCTGAGCAGCAAGTATTTA
 TGTGTTGAGTCATGGCCATCTGATTCATACAGAATTGCCTTTACTATCTCTTTATTGCTA
 GTTCAGTATATTCTGCCCTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006174 unedited
 TCTAGAATCGAGTTTTTTTTTTTTTTTTTGGTTAGATATAACTTTTACTTTCAACAAAA
 AATACAATTCATTTGTTTATAAGACAACATGGAAGTGGAAGGTAATACAACCTTCTAAAG
 TGAATTACAGATTGGATTGACACTGACTGCACAATAAATAAATTAATCCTACTATAAC
 ACATAAAATTATCTTCCATATATTATGAACTGACATTTGAATCCAGAACTCTTTCACATA
 AATTAATTCATGTTAACAATAATTTCTATTTATTATATGTAATAGTTATCATAAATAT
 ATTTTATATGACCCAGCATTGTTCTTTCCTTGGTAAACAGTGAGAATTATTACATATG
 AAGACAGTGTATAAGGGACACTAAATCAGCTTTAATCCCATTATTAAGAAACCCATATAG
 AATTGGATTAAGACAACAGGACATCATGCCAACAATGACAAATGCAATACACCAACTT
 GAAATGCCTATTTGAAATAAGATTGTCATTAATAATCAGTTACCACATGGAAAAGGTGAG
 TGGCATCCAATAACAGCAAATACTAATATCAGTATGGTCAGTCTGTAGAAAACACTTCG
 AGATCTCTTTTTTATTCTTGAACAGAACGTTNTACTCTCAATTCATGAACATCTGAATTT
 TCTTCAGGTTTTATCTCANAGCAGTGGGGACCCTGGTATGAACTACTGGATGAAGAG
 AGCTGACTTCTTACAGAGCCAAAGNTTCTGGAAGTATTCTGGNAGTGGTTCTCTTGAGA
 AAGGGTCTTCTGNNAGCAGTACACACATNGCTGNNCTCTGCTATATCNNTCTCTGGGTTT
 TTNGATGATGAAATACTNCATTATGGCTGCCANAGAGTTCACCTGAGGCCACTCTTTTG
 ATGATGAAAAAGTAAGTGACATCTCATTCTCCAGCCTGTTTCTGTTGAAATCCAAGGT
 TACTTTGCAGACCTGTTGACTTACGAGAACTAGGCCAATTACTGACTCATAAGAA

Restriction Sites:

NotI-NotI

ACCN:

NM_006174

Insert Size:

2000 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:	<ol style="list-style-type: none">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:	<u>NM_006174.2, NP_006165.1</u>
RefSeq Size:	1936 bp
RefSeq ORF:	1338 bp
Locus ID:	4889
UniProt ID:	<u>Q15761</u>
Cytogenetics:	4q32.2
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>The protein encoded by this gene is a receptor for neuropeptide Y and peptide YY. The encoded protein appears to be involved in regulating food intake, with defects in this gene being associated with eating disorders. Also, the encoded protein is involved in a pathway that protects neuroblastoma cells from chemotherapy-induced cell death, providing a possible therapeutic target against neuroblastoma. Three transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Nov 2015]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein.</p>