

## Product datasheet for SC119605

### NPY2R (NM\_000910) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NPY2R (NM_000910) Human Untagged Clone
Tag:	Tag Free
Symbol:	NPY2R
Synonyms:	NPY2-R
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_000910, RT-PCR generated ATGGGTCCAATAGGTGCAGAGGCTGATGAGAACCAGACAGTGGAAAGAAATGAAGGTGGAA CAATACGGGCCACAACAACCTCCTAGAGGTGAAGTGGTCCCTGACCCAGCCAGAGCTT ATAGATAGTACCAAGCTGATTGAGGTACAAGTTGTTCTCATATTGGCCTACTGCTCCATC ATCTTGCTTGGGGTAATTGGCAACTCCTTGGTGATCCATGTGGTGATCAAATCAAGAGC ATGCGCACAGTAACCAACTTTTTATTGCAATCTGGCTGTGGCAGATCTTTGGTGAAC ACTCTGTGTCTACCGTTCCTTACCTATACCTTAATGGGGGAGTGGAAAATGGGTCTCT GTCCTGTGCCACCTGGTGCCTATGCCAGGGCCTGGCAGTACAAGTATCCACAATCACC TTGACAGTAATTGCCCTGGACCGGCACAGGTGCATCGTCTACCACCTAGAGAGCAAGATC TCCAAGCGAATCAGCTTCTGATTATTGGCTTGGCCTGGGGCATCAGTGCCTGTGGCA AGTCCCCTGGCCATCTTCCGGGAGTATTGCTGATTGAGATCATCCCGGACTTTGAGATT GTGGCCTGTACTGAAAAGTGGCCTGGCGAGGAGAAGAGCATCTATGGCACTGTCTATAGT CTTTCTTCTTGTGATCTTGTATGTTTTGCCTCTGGGCATTATATCATTTCCTACACT CGCATTGGAGTAAATTGAAGAACCATGTCAGTCTGGAGCTGCAATGACCACTACCAT CAGCGAAGGCAAAAAACCACCAAAATGCTGGTGTGTGGTGGTGGTGGTGGTGGTGGTGGT TGGCTGCCTCTCCATGCCTTCCAGCTTGGCGTTGACATTGACAGCCAGGTCTGGACCTG AAGGAGTACAACTCATCTTACAGTGTCCACATCATCGCCATGTGCTCCACTTTTGCC AATCCCCCTTCTATGGCTGGATGAACAGCAACTACAGAAAGGCTTTCTCTCGGCCTTC CGCTGTGAGCAGCGGTTGGATGCCATTCCTCTGAGGTGTCCGTGACATTCAAGGCTAAA AAGAACCCTGGAGTGCAGAAAGAACAGTGGCCCAATGACTCTTTCACAGAGGCTACCAAT GTCTAA



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_000910 unedited  
 GAAATTCGAGATTTGTAACACGATACACTATAGGCGGCCGCCAGTGTGATGGATATCTGC  
 AGAATTCGGCTTTGTAAGTAAATGGGTCCAATAGGTGCAGAGGCTGATGAGAACCAGAC  
 AGTGGAAGAAATGAAGGTGGAACAATACGGGCCACAACTCCTAGAGGTGAACTGGT  
 CCCTGACCCTGAGCCAGAGCTTATAGATAGTACCAAGCTGATTGAGGTACAAGTTGTTCT  
 CATATTTGGCCTACTGCTCCATCATCTTGCTTGGGTAATTGGCAACTCCTTGGTGATCCA  
 TGTGGTGATCAAATCAAGAGCATGCGCACAGTAACCAACTTTTTTATTGGCAACTCTGGC  
 TGTGGCAGATCTTTTGGTGAACACTCTGTGTCTACCGTTCACTCTTACCTATACCTTAAT  
 GGGGGAGTGGAATAATGGGTCTGTCTGTGCCACCTGGTGCCCTATGCCAGGGCCTGGC  
 AGTACAAGTATCCACAATCACCTTGACAGTAATTGCCCTGGACCGGCACAGGTGCATCGT  
 CTACCACCTAGAGAGCAAGATCTCCAAGCGAATCAGCTTCCTGATTATTGGCTTGGCCTG  
 AGGCATCAGTGCCTGCTGGCAAGTCCCCTGGCCATCTCCGGGAGTATTCGCTGATTGA  
 GATCATCCCGACTTTGAGATTGTGGCCTGTACTGAAAAGTGGCCTGGCGAGGAGAAGAG  
 CATCTATGGCACTGTCTATAGTCTTCTCCTTGGTGATCTTGTATGTTTTGCCTCTGGG  
 CATTATATCATTTTCTACACTCGCATTGGAGTAAATTGAAGAACCATGTCAGTCTGG  
 AGCTGCAAATGACCACTACCATCAGCGAAAGGCAAACCAAAATGCTGGTGTGTGTGG  
 TGGGGNGGTTTT

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_000910 unedited  
 NTTGGACCATTGGGNGATGGCAACTTNCAGGNCAGNAAAGCACTGGGGNAGGGTCAC  
 AGGGATGCCACCCGGGATCTGTTACAGAAACAGCTATGACCGCGCCGAATCTAGAGTC  
 GACAAGCTTGATATCGGTACCGAGCTCGGATCCACTAGTAACGGCCGCCAGTGTGCTGGA  
 ATTCGGCTTACCACAGCTTCTTAGACATTGGTAGCCTCTGTGAAAGAGTCATTGGGGC  
 CACTGTTCTTTTCTGACCTCCAGGTTCTTTTAGCCTTGAATGTCACGGACACCTCAGAGT  
 GAATGGCATCCAACCGCTGCTCACAGCGGAAGGCCGAGAGGAAAGCCTTTCTGTAGTTGC  
 TGTTATCCAGCCATAGAGAAGGGGATTGGCAAAAGTGGAGCACATGGCGATGATGTGGA  
 AACTGTGAAGATGAGTTTGTACTCCTTCAGGTCCAGGACCTGGCTGTCAATGTCAACGG  
 CAAGCTGGAAGGCATGGAGAGGCAGCCAGCTGACCGCAAACACCACCACACACACCA  
 GCATTTTGGTGGTTTTTGCCTTCGCTGATGGTAGTGGTCATTTGCAGCTCCAGGACTGA  
 CATGGTTCTTCAATTTACTCCAAATGCGAGTGTAGGAAAATGATATAATGCCAGAGGCA  
 AAACATAACAAGATCAACAAGGAAGAAAGACTATAGACAGTGCCATAGATGCTCTTCTNCT  
 CGCCAGGCCACTTTTTCAGTACAGGCCACAATCTCAAAGTCCGGGATGATCTCAATCAGCG  
 AATACTCCCGGAAGATGCCAGGGGACTTGCCAGCAGGGCACTGATGCCCCAGGCCAAGCC  
 AATNATCAGGAAGCTGATTCGCTTGGAGATCTTGTCTCTAGGTGGTAGACGATGCACCT  
 GTGCCCGTCCAGGGCATTACTGTAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_000910

**Insert Size:**

1400 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_000910.2</a> , <a href="#">NP_000901.1</a>
<b>RefSeq Size:</b>	3747 bp
<b>RefSeq ORF:</b>	1146 bp
<b>Locus ID:</b>	4887
<b>UniProt ID:</b>	<a href="#">P49146</a>
<b>Cytogenetics:</b>	4q32.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>Gene Summary:</b>	Receptor for neuropeptide Y and peptide YY. The rank order of affinity of this receptor for pancreatic polypeptides is PYY > NPY > PYY (3-36) > NPY (2-36) > [Ile-31, Gln-34] PP > [Leu-31, Pro-34] NPY > PP, [Pro-34] PYY and NPY free acid.[UniProtKB/Swiss-Prot Function]