

## Product datasheet for **SC202106**

### Neuropeptide Y (NPY) (NM\_000905) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Neuropeptide Y (NPY) (NM_000905) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	NPY
Synonyms:	PYY4
ACCN:	NM_000905
Insert Size:	205 bp
Insert Sequence:	>SC202106 3'UTR clone of NM_000905 The sequence shown below is from the reference sequence of NM_000905. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ACTCGGCTTGAAGACCCTGCAATGTGGTGA TGGGAAATGAGACTTGTCTCTGGCCTTTTCCTATTTTC AGCCCATATTTTCATCGTGTAAAACGAGAATCCACCCATCCTACCAATGCATGCAGCCACTGTGCTGAAT TCTGCAATGTTTTCTTTGTCATATTGTATATATGTGTGTTTAAATAAAGTATCATGCATTCAAAA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-Mlul
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<a href="#">NM_000905.4</a>



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**Summary:**

This gene encodes a neuropeptide that is widely expressed in the central nervous system and influences many physiological processes, including cortical excitability, stress response, food intake, circadian rhythms, and cardiovascular function. The neuropeptide functions through G protein-coupled receptors to inhibit adenylyl cyclase, activate mitogen-activated protein kinase (MAPK), regulate intracellular calcium levels, and activate potassium channels. A polymorphism in this gene resulting in a change of leucine 7 to proline in the signal peptide is associated with elevated cholesterol levels, higher alcohol consumption, and may be a risk factor for various metabolic and cardiovascular diseases. The protein also exhibits antimicrobial activity against bacteria and fungi. [provided by RefSeq, Oct 2014]

**Locus ID:**

4852

**MW:**

8.1