

Product datasheet for **RC237827**

NPY4R (CH17-360D5.1) (NM_001278795) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NPY4R (CH17-360D5.1) (NM_001278795) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NPY4R2
Synonyms: CH17-360D5.1; NPY4-R; NPY4R; PP1; PPYR1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC237827 representing NM_001278795
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACACCTCTCACCTCTGGCCTTGCTGCTCCCAAAATCTCCACAAGGTGAAAACAGAAGCAAACCC
TGGGCACCCCATACAACCTCTGAACATTGCCAGGATTCGGTGGACGTGATGGTCTTCATTGCACTTC
CTACAGCATTGAGACTGTCGTGGGGTCTGGGTAACCTCTGCCTGATGTGTAACTGTGAGGCAGAAG
GAGAAAGCCAACGTGACCAACCTGCTTATCGCCAACCTGGCCTTCTGACTTCCTCATGTGCCTCTCT
GCCAGCCGCTGACCGCCGCTACACCATCATGGACTACTGGATCTTTGGAGAGACCCTCTGCAAGATGTC
GGCCTTATCCAGTGATGTCGGTGACGGTCTCCATCCTCTCGCTCGTCCGTCGGCCCTGGAGAGGCAT
CAGCTCATCATCAACCAACAGGCTGGAAGCCAGCATCTCACAGGCCTACCTGGGGATTGTGCTCATCT
GGGTCAATGCCTGTGCTCCTCCCTGCCCTTCTGGCCAACAGCATCCTGGAGAATGTCTTCCACAAGAA
CCACTCCAAGGCTCTGGAGTTCTGGCGGATAAGGTGGTCTGTACCGAGTCCCTGGCCACTGGCTCACCAC
CGCACCATCTACACCACCTTCTGCTCCTTCCAGTACTGCCTCCCACTGGGCTTCATCTTGGTCTGTT
ATGCACGCATCTACCGCGCCTGCAGAGGCAGGGCGCGTGTTCACAAGGGCACCTACAGCTTGCAGC
TGGGCACATGAAGCAGGTCAATGTGGTGTGGTGGTGTGGTGGTGGCCTTTGCCGTGCTCTGGCTGCCT
CTGCATGTGTTCAACAGCCTGGAAGACTGGCACCATGAGGCCATCCCCATCTGCCATGGGAACCTCATCT
TCTTAGTGTGCCACTTGCTTGCATGGCCTCCACCTGTGTCAACCCATTATCTATGGCTTCTCAACAC
CAACTTCAAGAAGGAGATCAAGGCCCTGGTGTGACTTGGCAGCAGAGCGCCCCCTGGAGGAGTCAAG
CATCTGCCCTGTCCACAGTACATACGGAAGTCTCCAAGGGTCCCTGAGGCTAAGTGGCAGGTCCAATC
CCATT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237827 representing NM_001278795
 Red=Cloning site Green=Tags(s)

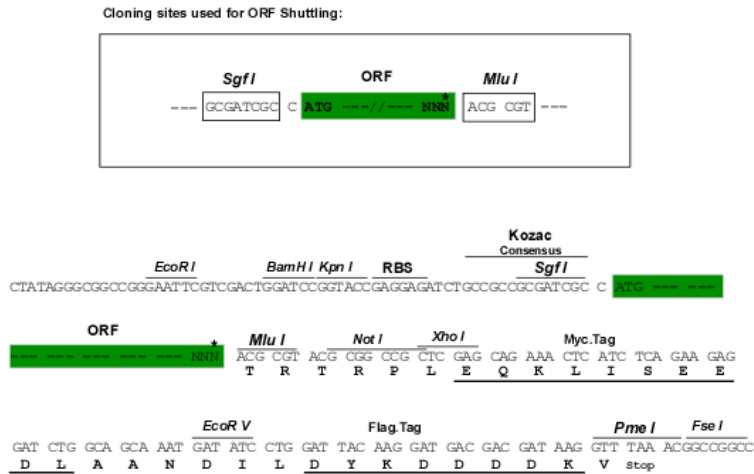
MNTSHLLALLLPKSPQGENRSKPLGTPYNFSEHCQDSVDVMVFIVTSYSIETVVGVLGNLCLMCVTVRQK
 EKANVTNLLIANLAFSDFLMCLLCQPLTAVYTIMDYWIFGETLCKMSAFIQCMSVTVSILSLVVALERH
 QLIINPTGWKPSISQAYLGIVLIWVIACVLSLPLFLANSILENVFHKHNSKALEFLADKVVCTESWPLAHH
 RTIYTTFLLLFQYCLPLGFILVCYARIYRRLQRQGRVFKGTYSLRAGHMKQVNVVLVVMVVAFAVLWLP
 LHFVNSLEDWHHEAIPICHGNLIFLVCHLLAMASTCVNPFYIGFLNTNFKKEIKALVLTCCQSAPLEESE
 HPLPLSTVHTEVSKGSLRLSGRSNPI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

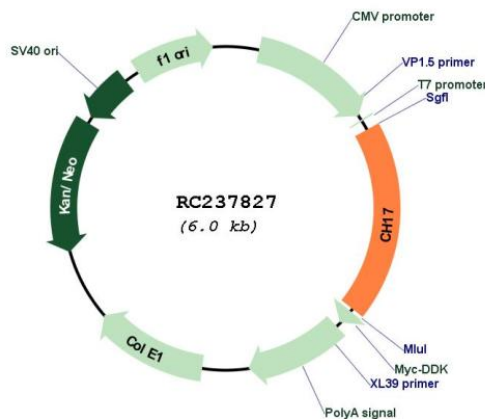
Sgfl-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001278795

ORF Size:	1125 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001278795.2
RefSeq Size:	1449 bp
RefSeq ORF:	1128 bp
Locus ID:	100996758
UniProt ID:	P50391
Cytogenetics:	10q11.22
MW:	42.6 kDa
Gene Summary:	Receptor for neuropeptide Y and peptide YY. The rank order of affinity of this receptor for pancreatic polypeptides is PP, PP (2-36) and [Ile-31, Gln-34] PP > [Pro-34] PYY > PYY and [Leu-31, Pro-34] NPY > NPY > PYY (3-36) and NPY (2-36) > PP (13-36) > PP (31-36) > NPY free acid. [UniProtKB/Swiss-Prot Function]