

Product datasheet for **RR209309**

Npy4r (NM_031581) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Npy4r (NM_031581) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Npy4r
Synonyms:	Ppyr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR209309 representing NM_031581 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATACCTCTCATCTCATGGCCTCCCTTTCTCCGGCATTCTACAAGGTAAGAATGGGACCAACTCAC
TGGATTCCTCTATAATCTCTGACGGCTGCCAGGATTCGGCAGATCTGTTGGCCTTCATCATCACCAC
CTACAGCGTTGAGACCGTCTTGGGGTCTAGGAAACCTCTGCTTGATATTTGTGACCACAAGGCAAAG
GAAAAGTCCAATGTGACCAACCTACTCATTGCCAACCTGGCCTTCTGACTTCCTCATGTGTCTCATCT
GCCAGCCGCTCACGGTACCTACACCATCATGGACTACTGGATCTTCGGCGAAGTCCCTTGAAGATGTT
AACGTTTATCCAGTGTATGTCGGTGACAGTCTCCATCCTCTCACTGGTCTTGTGGCCCTGGAGAGGCAC
CAGCTCATTATCAACCCGACTGGCTGGAACCCAGCATTCCCAGGCCTACCTGGGGATTGTGGTCATCT
GGTTCATTTCTTGTTCCTCTCCTTGCCCTTCTGGCCAATAGCATCCTGAACGACCTCTCCACTACAA
CCACTCTAAGGTTGTGGAGTTTCTGGAAGACAAGGTTGTCTGCTTGTGTCTGGTCTCGGATCACCAC
CGCCTCATCTACACCACCTTTCTGCTGCTTCCAATACTGCGTCCCTCTGGCCTTCATCCTGGTCTGCT
ACATGCGTATCTACCAGCGCTGCAGAGGCAGAGGCGTCCGTTCCACACGCACACTTCAGCTCAGGAT
GGGGCAGATGAAGCGGATCAATGGCATGCTCATGGCAATGGTGACTGCCTTGGCAGTTCTCTGGCTGCC
CTGCATGTGTTCAACACTCTGGAGGACTGGTACCAGGAAGCCATCCCTGCTTGCATGGCAACCTCATCT
TCTTGATGTGCCACCTGTTGCCATGGCTTCCACCTGTGTCAACCCTTTCATCTATGGCTTCTCAACAT
CAACTTCAAGAAGGACATCAAGGCTCTGGTTCTGACCTGCCGTTGCAGGCCACCTCAAGGGAGCCTGAG
CCTCTGCCCTGTCCACTGTGCACACGGACCTCTCAAGGGATCTATGAGGATGGGTAGCAAGTCTAACG
TCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RR209309 representing NM_031581
Red=Cloning site Green=Tags(s)

MNTSHLMASLSPAFLQGKNGTNSLDSLNLSDGCQDSADLLAFIITTYSVETVLGVLGNLCLIFVTTRQK
 EKSNTVNLIIANLAFSDFLMCLICQPLTVTYTIMDYWIFGEVLCKMLTFIQCMSVTVSILSLVVALERH
 QLIINPTGWKPSISQAYLGIVVIWFISCFLSLPLANSILNDFHYNHSHKVVFELEDKVVCFVSWSSDHH
 RLIYTTFFLLLQYCVPLAFILVCMRIYQRLQRQRRAFHTHTCSSRVGQMKRINGMLMAMVTAFAVLWLP
 LHVFNLTLEDWYQEAIPACHGNLIFLMCHLFAMASTCVNPFYIGFLNINFKKDIKALVLTCCRPPQGEPE
 PLPLSTVHTDLSKGSMRMGSKSNVM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

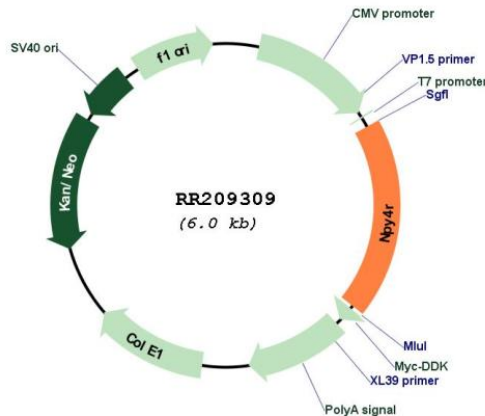
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_031581

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_031581.2 , NP_113769.1
RefSeq Size:	1257 bp
RefSeq ORF:	1128 bp
Locus ID:	29471
UniProt ID:	Q63447
Cytogenetics:	16p15
MW:	42.6 kDa
Gene Summary:	high affinity receptor for pancreatic polypeptide that inhibits gall bladder contraction, gut motility, and pancreatic secretion [RGD, Feb 2006]