

## Product datasheet for **RN207884**

### Npy2r (NM\_023968) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Npy2r (NM_023968) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Npy2r
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN207884 representing NM_023968 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCCATTAGGTGCAGAGGCAGATGAGAATCAAAGTGTAGAAGTAAAGTGGAACTCTATGGGTCGG  
GGCCACCCTCCTAGAGGTGAGTTGCCCTGATCCAGAGCCGGAGCTCATAGACAGCACCAACTGGT  
TGAGGTGCAGGTGGTCTTATACTGGCCTATTGTTCCATCATCTTGCTGGGCGTAGTTGGCAACTCTCTG  
GTAATCCATGTGGTATCAAATCAAGAGCATGCGCACAGTAACCAACTTTTTATTGCCAACCTGGCTG  
TGCCGGATCTTTTGGTGAACACCCTGTGCCTGCCATTCACTTACCTATACCTTGATGGGGAGTGGAA  
AATGGGTCCAGTTTTGTGCCATTTGGTGCCTATGCCAGGGTCTGGCAGTACAAGTGTCCACAATAACT  
TTGACAGTCATTGCTTTGGACCGACATCGTTGCATTGTCTACCACCTGGAGAGCAAGATCTCCAAGCAAA  
TCAGCTTCTGATTATTGGCCTGGCGTGGGGTGTGAGCGCTCTGCTGGCAAGTCCCTTGCCATCTCCG  
GGAGTACTCACTGATTGAGATTATCTGACTTTGAGATTGTAGCCTGTACTGAGAAATGGCCCGGGGAG  
GAGAAGAGTGTGTACGGTACAGTCTACAGCCTTCCACCCTGCTAATCCTCTACGTTTTGCCTCTGGGCA  
TCATATCTTCTCCTACACCCGGATCTGGAGTAAGCTAAAGAACCAGTTAGTCTGGAGCTGCAAGTGA  
CCATTACCATCAGCGAAGGCACAAAACGACCAAAATGCTCGTGTGCGTGGTAGTGGTGTTCGAGTCAGC  
TGCTGCCCTCCATGCCTTCCAACCTGCTGTGGACATCGACAGCCATGTCTGGACCTGAAGGAGTACA  
AACTCATCTTACCGTGTTCACATTATTGCGATGTGCTCCACCTTCGCCAACCCCTTCTCTATGGCTG  
GATGAACAGCAACTACAGAAAAGCTTCTCTCAGCCTTCCGCTGTGAGCAGAGGTTGGATGCCATTAC  
TCGGAGGTGTCCATGACCTTCAAGGCTAAAAGAACCTGGAAGTCAAAAAGAACAATGGCCTCACTGACT  
CTTTTTAGAGGCCACCAACGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja1778\\_a12.zip](https://cdn.origene.com/chromatograms/ja1778_a12.zip)



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_023968
<b>Insert Size:</b>	1146 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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_023968.1</a> , <a href="#">NP_076458.1</a>
<b>RefSeq Size:</b>	1147 bp
<b>RefSeq ORF:</b>	1146 bp
<b>Locus ID:</b>	66024
<b>Cytogenetics:</b>	2q34
<b>Gene Summary:</b>	plays a role in inhibition of fluid secretion in small intestine epithelial crypt cells; mediates inhibition of cAMP production [RGD, Feb 2006]