

## Product datasheet for **RR201854**

### **Npvf (NM\_023952) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Npvf (NM_023952) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Npvf
Synonyms:	Rfrp
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201854 representing NM_023952 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAATTATTTTCATCAAAGCGATTCAATTTATTGACTTTAGCAACTTCAAGCTTCTTAAGTTCAAACA  
CCCTTTGTTTCAGATGAATTAATGATGCCCCATTTTCACAGCAAAGAAGGTTATGGAAAATATTACCAGT  
GAGAGGAATCCCAAAGGGGTAAAGGAAAGAAGTGTCACCTTTTCAAGAACTCAAAGATTGGGGGCAAAG  
AAAGATATTAAGATGAGTCCAGCCCTGCCAACAAAGTGCCCACTCAGCAGCCAACCTTCCCTGAGGT  
TTGGGAGGAACATAGAAGACAGAAGAAGCCCCAGGGCACGGGCCAACATGGAGGCAGGGACCATGAGCCA  
TTTTCCAGCCTGCCCAAAGGTTTGGGAGAACAACAGCCAGACGCATACCAAGACACTGGCTGGTTTG  
CCCCAGAAATCCCTGCACTCCCTGGCCTCCAGTGAATTGCTCTATGCCATGACCCGCCAGCATCAAGAAA  
TTCAGAGTCCCTGGTCAAGAGCAACCTAGGAAACGGGTGTTACGGAAACAGATGATGCAGAAAGGAAACA  
AGAAAAATAGGAAACCTCCAGCCAGTCCCTCAAGGGGCTATGAAGCTGAGAAAAATAGGAAACCTCCA  
GCCAGTCCCTCAAGGGGCTATGAAGCTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR201854 representing NM\_023952  
 Red=Cloning site Green=Tags(s)

MEIISSKRFILLTLATSSFLTSNTLCSDELMPHFHSKEGYGKYQLRGIPKGVKERSVTFQELKDWGAK  
 KDIKMPAPANKVPHSAANLPLRFGRNIEDRRSPRANMEAGTMSHFPSLPQRFGRITARRITKTLAGL  
 PQKSLHSLASSELLYAMTRQHQEIQSPGQEQPRKRVFTETDDAERKQEKIGNLQPVLQGAMKLRKNRKP  
 ASPSRGYEA

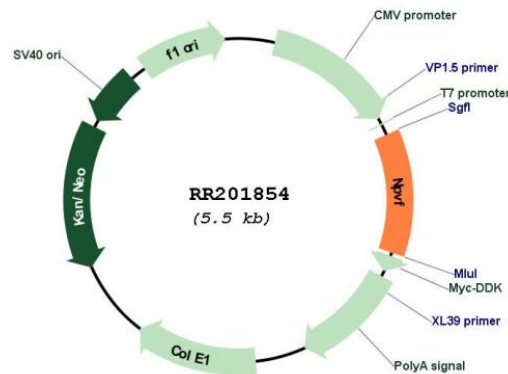
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_023952

**ORF Size:** 609 bp

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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 Size:</b>	612 bp
<b>RefSeq ORF:</b>	612 bp
<b>Locus ID:</b>	60570
<b>UniProt ID:</b>	<a href="#">Q9ESQ9</a>
<b>Cytogenetics:</b>	4q24
<b>MW:</b>	23 kDa
<b>Gene Summary:</b>	binds neuropeptide receptor FF1; blocks morphine induced analgesia in acute and inflammatory pain models; may play a role in nociception and anti-opioid response [RGD, Feb 2006]