

## Product datasheet for **RN207320**

### **Nlrp6 (NM\_134375) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nlrp6 (NM_134375) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nlrp6
Synonyms:	Avr; Nalp6; Navr; Navr/Avr; Non-AVR
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN207320 representing NM\_134375  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGCCGCTGGAGCCTCCTGCTCCAGCTCGGAGGCGGTGGCAAGGGAAGTCTTCTGGCCGACTGC  
 AGGATCTGAGCCAGGAGCAGCTGAAGCGTTTTTCGCCACAAGCTCCGGGATGCGCCCTGGATGGCCGAG  
 CATCCCGTGGGGGCGACTGGAGCACTCAGACGCTGTGGACCTCACAGACAAGCTGATTGAGTTCTATGCG  
 CCAGAGCCAGCCGTAGATGTGACCCGAAAGATCCTGAAGAAGGCGGATATTCGAGATGTGTCTGTCGAC  
 TCAAGGAGCAGCAGCTGCAGAGGCTCGGCTCCAGCTCGGCGCTTCTCACCGTGTGGAGTACAAGAAGAA  
 GTACCGCGAGCACGTGCTACGACAGCATGCTAAGGTGAAGGAGAGGAATGCCCGCTCCGTGAAGATCAAC  
 AAGCGTTCACCAAGCTGCTCATTGCGCCGGGAGCGGCCCGGGGAGGACGAGCTGCTGGGAACGTCGG  
 GGGAGCCCGAGCCGAGCGCGCAAGGCGCTCGGACACACACTTCAATCGGCTCTCCGAGGAAATGA  
 TGACGAGGGCCCGCGGCCGCTGACCGTGGTGTGTCAGGGCCCGGCAGGCATCGGCAAAACCATGGCCGCC  
 AAGAAAATCCTCTACGACTGGGCAGGAGCAAGCTATACCACAGCCAAGTGGACTTTGCCTTCTTATGC  
 CGTGGCGCGAGCTGCTGGAGCGGCCAGGTACGCGCAGCTTGGCGGACCTGATACTGGAACAGTGCCCGGA  
 CCGCACCGCGCCGGTGGCGCGGATACTAGCGCAACCGCATCGTCTACTGTTATCCTGGACGGTGCAGAC  
 GAATTGCCTACTTTAGCAGCCCCAGAAGCCACTCCCTGCAGAGACCCCTTCGAGGCTACGAGTGGCTTGA  
 GAGTGTGAGCGGGCTGCTGAGCCAGGAGCTGTTACCAGCGGCTCGTGTGCTGGTACTTACGCAACGC  
 CACCCTCGGGAGGCTGCAGGGCAGACTTTGCTCACCACAGTGCAGAGAAGTGCAGCGGCTTCTCAGACAAA  
 GACAAGAAAAAGTATTTCTCAAGTTTTCCGGGACGAGAGGAAGGCAGAGCGCGCTTACCGCTTCGTGA  
 AAGAGAAATGAGACGCTGTACGCACTGTGCTTTGTGCCGTTTGTGTGCTGGATCGTGCACCGTGTGCT  
 GCAGCAAATGGAGCTGGGCCGGGATCTGTCTCGTACCTCCAAGACCACTACATCTGTGTACTCTGCTTTC  
 ATCACCAGCATGCTGAAGTCTGCAGGTACCAATGGACCCCGGTTTCAGGGAGAGCTGCGAATGCTGTGCC  
 GCCTGGCCCGGGAGGGCATCCTGAAGCATCAAGCACAGTTCTCAGAAAAGGACCTGGAGAGATTGAAGCT  
 TCAGGGTTCCTCAAGTTCAGACAAATGTTTCTCAGCAAGAAGGAGCTGCCAGGAGTGTAGAAACTGTGGTC  
 ACCTACCAGTTCATTGACCAGAGCTTCCAGGAGTCTTGGCTGCATTGTCATACCTACTAGACGCTGAGG  
 GAGCCCCAGGGAACCTCCGAGGAAGTGTGCAGATGCTCCTGAACTCTGACGCGGGCTGCGTGGTATCT  
 GGCCTCACCCTAGATTCTCTTTGGACTGCTAAGTACAGAGAGGATTCGTGACATTGGAACCATTTT  
 GGCTGTGTGGTGCAGGGCGTGTAAACAGGACACCTTGGCGTGGTACAAGGACAAAGCCAACCAAGG  
 TGGCGACAGTAGGAGCAGAAAAGAAGGATGAGCTGAAGGACGAGGAAGCAGAGGAGGAGGAGGAGGAGGA  
 AGAAGAGGAGGAGGAACCAACTTTGGACTGGAGCTGTTGTACTGCCTGTATGAGACACAAGAGGATGAT  
 TTTGTTCCGAGGCTCTCAGCAGCCTTCCAGAGATGGTACTGGAGCGAGTTAGGCTGACCCGCATGGACC  
 TTGAGGTTCTGAGCTACTGCGTGCAGTGTGCCCGGACGGCCAGGCTCTGAGACTGGTGGAGCTGTGGACT  
 GGTGGCGGCAAGGAGAAGAAGAAGAAGAAGAGCTTCATGAACCGGCTGAAGGGTCTCAAAGCACC  
 GGGAAACAACCCCGACCTCCTTGCTGCGTCCACTCTGTGAGGCAATGATTACCCAGCAATGTGGTCTGA  
 GTATTCTGACCTTGTACACTGCAAACTCCCTGATGCAGTTTGTGAGACCTTTCTGAGGCTCTGAAGGT  
 AGCTCCTCCCTAAGGGAGCTGGGCTCCTCCAGAACCAGCTACTGAGGCAGGCTGCGTTTACTAAGC  
 CAAGGCCTGGCTTGGCCCAAATGCAAGGTGCAGACACTCAGGATACAGATGCCTGGCCTCCAAGAGGTGA  
 TCCACTACCTGGTCATTGTGCTCCAGCAGAGCCAGTCCCTAACCACTCTGGACCTCAGTGGCTGTGAGCT  
 GCCTGGCACTGTGGTGGAACTCTGTGTTAGCCCTGAAGCACCTAAATGTGGCCTAAAGACCCTCAGT  
 CTGACTTCTGTGGAGCTGACTGAGAATCCACTGAGAGAGCTTCAAGCTGTGAAGACATTAAGCCAGATC  
 TGGCCATCATACATTCAAATTTGGGCACACATCCTCAGCCTCTGAAGGGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI  
**ACCN:** NM\_134375

<b>Insert Size:</b>	2643 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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_134375.3</a> , <a href="#">NP_599202.2</a>
<b>RefSeq Size:</b>	2906 bp
<b>RefSeq ORF:</b>	2643 bp
<b>Locus ID:</b>	171390
<b>UniProt ID:</b>	<a href="#">Q63035</a>
<b>Cytogenetics:</b>	1q41
<b>Gene Summary:</b>	The protein encoded by this gene binds arginine-vasopressin and may be involved in the arginine-vasopressin-mediated regulation of renal salt-water balance. The encoded protein also mediates inflammatory responses in the colon to allow recovery from intestinal epithelial damage and protects against tumorigenesis and the development of colitis. Finally, this protein can increase activation of NF-kappa-B, activation of CASP1 through interaction with ASC, and cAMP accumulation. [provided by RefSeq, Feb 2013]