

## Product datasheet for **MC222390**

### **Nlrp6 (NM\_001081389) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nlrp6 (NM_001081389) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nlrp6
Synonyms:	A1504961; Nalp6; Navr/Avr; Pypaf5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222390 representing NM\_001081389  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGCCGCTGGAGCCTCCTGCTCCAGCGTGGATGCAGTGGCAAGGGAGCTGCTTATGGCTACTCTGG  
 AGGAGCTGAGCCAGGAGCAGCTGAAGCGCTTCCGCCACAAGCTAAGGGATGCGCCCTGGATGGCCGCAG  
 CATCCCGTGGGGGCGACTGGAGCGCTCAGACGCTGTGGACCTTGTGACAAGCTCATTGAGTTCTATGAG  
 CCAGTGCCAGCTGTAGAAATGACCCGGCAGGTCCTGAAGAGGTCGGATATTCGAGATGTGGCCTCGCGAC  
 TTAAGCAACAGCAGCTACAGAAGCTCGGCCACCTCGGTGCTTCTCCTCGTGTGACGCTTCAAGAAGAA  
 GTACCGCGAGCACGTGCTACGACAGCATGCTAAGGTGAAGGAGAGGAATGCTCGCTGTGAAGATCAAC  
 AAGCGCTTACCAAGCTGCTCATCGCTCCGGGACCGGCCTGTGGAGGACGAGCTGTGGGCGCTTGG  
 GGGAGCCGGAGCCGAACGCGCTCGGCGCTCGGACACGCACACTTTAATCGGCTTCCGGGGAATGA  
 TGAAGAGAGCTCGCAGCCGCTGACCGTGGTGTGTCAGGGCCCGCAGGCATCGGCAAAACCATGGCCGCC  
 AAGAAAATCCTCTATGACTGGGCAGCAGGTAAGCTATACCACAGCCAGGTGGACTTTGCCTTCTCATGC  
 CGTGCGCGAGCTGCTGGAGCGGCCGGAAAGCGCAGCTTGGCGGACCTGGTGTGGACAGTGCCCGGA  
 CCGCGCTTGGCCAGTGAAGCGGATACTGGCGCAACCCAATCGCCTACTGTTTCATCCTGGACGGTGCAGAC  
 GAGCTGCCTACTTTACCATCCTCAGAGGCCACTCCCTGCAAAGACCCCTTGGAGGCTACAAGTGGCTTGA  
 GAGTGTGAGCGGGCTGCTGAGCCAGGAGCTGTTACCAGGAGCTCGCTTGTAGTACTACACGCCATGC  
 CGCTACAGGGAGGCTGCAGGGCAGATTGTGCTCGCCACAGTGCAGAGAAATACGCGGCTTCTCAGACAAA  
 GACAAAAAAGTATTTCTCAAGTCTTCCGGGACGAGAGGAAGGCAGAGCGCGCTTACCGCTTCTGTA  
 AAGAGAACGAGACGCTGTTTGCACCTGTGCTTGTGCCCTTCGTGTGCTGGATCGTGCACAGTGTGCA  
 GCAGAGCTAGAGCTGGGCCGGGATCTCTCTCGTACCTCAAGACCACTACTTCTGTGTACTGCTCTTC  
 ATCACCAGCATGCTGAAGTCTGCAGGCACCAATGGACCCCGGTTTCAGGGAGAGCTGAGAACGCTGTGTC  
 GCCTGGCCAGGGAGGGCATCCTGGATCATCATAAAGCACAAATCTCAGAAGAGGACCTGGAGAAATTGAA  
 GCTTCGGGGTTCCCAAGTTCAGACAATATTTCTCAACAAGAAAGAGATACCAGGAGTGTAAAACTGAG  
 GTCACCTACCAGTTCATTGACCAGAGCTCCAGGAGTTCCTGGCTGCATTGTACCTACTAGAAGCTG  
 AGCGAACTCCGGGACGCCCGCAGGCGGTGTGCAGAAGCTCCTGAACTCTGACCGGAGCTACGTGGTCA  
 TCTTGCACCTGACCACCCGATTCTCTTTGGCTGCTAAATACAGAGGGGCTTCGTGACATTGAAACCAT  
 TTTGGCTGTGTGGTGCCAGATCATGTGAAAAGGACACCTGCGGTGGTACAAGGACAGAGCCACCCCA  
 AGGGGCCACCAAGTAGGGGCAAAAAGACTGCTGAGCTGGAGGACATCGAGGACGCAGAGGAGGAGGGA  
 GGAAGAGGAGGACCTCAATTTGGACTGGAGCTGCTGTACTGCCTGTATGAGACACAGGAGGAGGATTTT  
 GTTCGACAGGCTCTCAGCAGCCTTCCAGAGATAGTACTGGAGCGAGTCAAGTTGACCCGCATGGACCTTG  
 AAGTTCTGAATTACTGCGTGCAGTGTGCCAGATGGCCAGGCTCTGAGACTGGTGTGAGCTGTGGGCTGGT  
 GGCGGCAAAAGGAGAAGAAGAAGAAGAAGAGCCTGGTGAAGCGGCTGAAGGGGAGCGTTACAGGCACC  
 AACCTTGTCTTCTCTACAGCTCTCAAAGCACCAAGAACAACCCCAAGTCTCCTTGTGCTGCCAC  
 TCTGTGAGACAATGACTACCCGAAATGTATCTGAGTGTCTGATCTTGTGACACTGCAGACTCCCTGA  
 TGCAGTTTCCGAGACCTTCCGAGGCCCTGAAGGTAGCTCCTGCCCTAAGGGAGTTGGCCTCCTCCAG  
 AGCCGGCTCACCAACACAGGCCCTGCGTTTACTGTGCGAAGGCCTGGCTTGGCCCAAGTGCCAGGTGAAGA  
 CACTCAGGATGCAGCTGCCTGACCTCCAAGAGGTGATCAATTACTTGGTATCGTGTCCAGCAGAGCCC  
 AGTCTGACCACTCTGGACCTCAGTGGCTGTGAGTGCCTGGCGTCATTGTGAACTCTGTGTGCAGCC  
 CTGAAGCACCCCTAAATGCTCCCTAAAGACCCTCAGTCTGACCTCTGTGGAGCTGAGTGAGAACTCACTGA  
 GGGATCTCAAGCTGTGAAGACATCAAAGCCAGATCTGTCCATCATATATTCAAAT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001081389  
**Insert Size:** 2649 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>	<u><a href="#">NM_001081389.1</a></u> , <u><a href="#">NP_001074858.1</a></u>
<b>RefSeq Size:</b>	3823 bp
<b>RefSeq ORF:</b>	2649 bp
<b>Locus ID:</b>	101613
<b>Cytogenetics:</b>	7 F5
<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]