

Product datasheet for **MC229080**

Nlrp6 (NM_133946) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nlrp6 (NM_133946) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nlrp6
Synonyms:	A1504961; Avr; N; Nalp6; Navr; Navr/Avr; Non-AVR; Pypaf5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC229080 representing NM_133946
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGCCGCTGGAGCCTCCTGCTCCAGCGTGGATGCAGTGGCAAGGGAGCTGCTTATGGCTACACTGG
 AGGAGCTGAGCCAGGAGCAGCTGAAGCGCTTCCGCCACAAGCTAAGGGATGCGCCCTGGATGGCCGAG
 CATCCCCTGGGGGCGACTGGAGCGCTCAGACGCTGTGGACCTTGTGACAAGCTCATTGAGTTCTATGAG
 CCAGTGCCAGCTGTAGAAATGACCCGGCAGGTCCTGAAGAGGTCGGATATTGAGATGTGGCCTCGCGAC
 TTAAGCAACAGCAGCTACAGAAGCTCGGCCACCTCGGTGCTTCTCCTCGTGTGACGCTTCAAGAAGAA
 GTACCGCGAGCACGTGCTACGACAGCATGCTAAGGTGAAGGAGAGGAATGCTCGCTGTGAAGATCAAC
 AAGCGCTTACCAAGCTGCTCATCGCTCCGGGACCGGCGCTGTGGAGGACGAGCTGTGGGGCCGTTGG
 GGGAGCCGGAGCCGAACGCGCTCGGCGCTCGGACACGCACACTTTAATCGGCTTCCGGGGAATGA
 TGAAGAGAGCTCGCAGCCGCTGACCGTGGTGTGTCAGGGCCCGCAGGCATCGGCAAAACCATGGCCGCC
 AAGAAAATCCTCTATGACTGGGCAGCAGGTAAGCTATACCACAGCCAGGTGGACTTTGCCTTCTCATGC
 CGTGCGCGAGCTGCTGGAGCGGCCGGAAAGCGCAGCTTGGCGGACCTGGTGTGGACAGTGCCCGGA
 CCGCGCTTGGCCAGTGAAGCGGATACTGGCGCAACCCAATCGCCTACTGTTTCATCCTGGACGGTGCAGAC
 GAGCTGCCTACTTTACCATCCTCAGAGGCCACTCCCTGCAAGACCCCTTTGGAGGCTACAAGTGGCTTGA
 GAGTGTGAGCGGGCTGCTGAGCCAGGAGCTGTTACCAGGAGCTCGCTTGTAGTACTACACGCCATGC
 CGCTACAGGGAGGCTGCAGGGCAGATTGTGCTCGCCACAGTGCAGAGAAATACGCGGCTTCTCAGACAAA
 GACAAAAAAGTATTTCTCAAGTCTTCCGGGACGAGAGGAAGGCAGAGCGCGCTTACCGCTTCTGTA
 AAGAGAACGAGACGCTGTTTGCAGTGTGCTTGTGCCCTTCGTGTGCTGGATCGTGTGACAGAGTGCA
 GCAGCAGCTAGAGCTGGGCCGGGATCTCTCTCGTACCTCAAGACCACTACTTCTGTGTACTGCTCTTC
 ATCACCAGCATGCTGAAGTCTGCAGGCACCAATGGACCCCGGTTTCAGGGAGAGCTGAGAACGCTGTGTC
 GCCTGGCCAGGGAGGGCATCCTGGATCATCATAAAGCACAATTCTCAGAAGAGGACCTGGAGAAATTGAA
 GCTTCGGGGTTCCCAAGTTCAGACAATATTTCTCAACAAGAAAGAGATACCAGGAGTGCTAAAACTGAG
 GTCACCTACCAGTTCATTGACCAGAGCTCCAGGAGTTCCTGGCTGCATTGTACCTACTAGAAGCTG
 AGCGAACTCCGGGACGCCCGCAGGCGGTGTGCAGAAGCTCCTGAACTCTGACCGGAGCTACGTGGTCA
 TCTTGCAGTACCACCCGATTCTTTGGCTGCTAAATACAGAGGGGCTTCGTGACATTGAAACCAT
 TTTGGCTGTGTGGTGCCAGATCATGTGAAAAGGACACCTGCGGTGGTACAAGGACAGAGCCACCCCA
 AGGGGCCACAGTAGGGGCAAAAAGACTGCTGAGCTGGAGGACATCGAGGACGCAGAGGAGGAGGAGGA
 GGAAGAGGAGGACCTCAATTTGGACTGGAGCTGCTGTACTGCCTGTATGAGACACAGGAGGAGGATTTT
 GTTCGACAGGCTCTCAGCAGCCTCCAGAGATAGTACTGGAGCGAGTCAAGTTGACCCGCATGGACCTTG
 AAGTTCTGAATTAAGTGCAGTGTGCCAGATGGCCAGGCTCTGAGACTGGTGTGAGCTGTGGGCTGGT
 GGCGGCAAGGAGAAGAAGAAGAAGAAGAGCCTGGTGAAGCGGCTGAAGGGCTCTCAAAGCACCAG
 AAACAACCCCAAGTCTCCTTGTGCGTCCACTCTGTGAGACAATGACTACCCCGAAATGTCATCTGAGTG
 TTCTGATCTTGTACACTGCAGACTCCCTGATGCAGTTTGGCGAGACCTTCCGAGGCCCTGAAGGTAGC
 TCCTGCCCTAAGGGAGTTGGCCCTCCTCCAGAGCCGGCTCACCAACACAGGCCTGCGTTTACTGTGCGAA
 GGCTGGCTTGGCCCAAGTGCCAGGTGAAGACACTCAGGATGCAGCTGCCTGACCTCCAAGAGGTGATCA
 ATTAAGTGGTATCGTGTCCAGCAGAGCCAGTCTGACCACTCTGGACCTCAGTGGCTGTGAGCTGCC
 TGGCGTATTGTGGAACCTCTGTGTGACGCCCTGAAGCACCTAAATGCTCCCTAAAGACCTCAGTCTG
 ACCTCTGTGGAGCTGAGTGAGAACTCACTGAGGGATCTTCAAGCTGTGAAGACATCAAAGCCAGATCTGT
 CCATCATATATTCAAAA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_133946

Insert Size:	2610 bp
OTI Disclaimer:	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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_133946.2 , NP_598707.2
RefSeq Size:	4438 bp
RefSeq ORF:	2610 bp
Locus ID:	101613
UniProt ID:	Q91WS2
Cytogenetics:	7 F5
Gene Summary:	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]