

Product datasheet for **MC218117**

Nlrp6 (BC031139) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nlrp6 (BC031139) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nlrp6
Synonyms:	A1504961; Avr; 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: >BC031139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAAGTCTGCAGGCACCAATGGACCCCGGGTTCAGGGAGAGCTGAGAACGCTGTGTGCCTGGCCA
 GGGAGGGCATCCTGGATCATATAAAGCACAATTCTCAGAAGAGGACCTGGAGAAATTGAAGCTTCGGGG
 TTCCAAGTTCAGACAATATTTCTCAACAAGAAAGAGATACCAGGAGTGCTAAAACTGAGGTACACCTAC
 CAGTTCATTGACCAGAGCTTCCAGGAGTCTTGCTGCATTGTACACCTACTAGAAGCTGAGCGAACTC
 CGGGGACGCCCGCAGGCGGTGTGCAGAAGCTCCTGAACCTGACGCGGAGCTACGTGGTCATCTTGCACT
 GACCACCCGATTCTCTTTGGCCTGCTAAATACAGAGGGGCTTCGTGACATTGGAACCATTGCTGTGT
 GTGGTGCCAGATCATGTAAAAAGGACACCCTGCGGTGGGTACAAGGACAGGCCACCCCAAGGGGCCAC
 CAGTAGGGGCAAAAAGACTGCTGAGCTGGAGGACATCGAGGACGCAGAGGAGGAGGAGGAAGAGGA
 GGACCTCAATTTTGGACTGGAGCTGCTGTACTGCCTGTATGAGACACAGGAGGAGATTTTGTTCGACAG
 GCTCTCAGCAGCCTTCCAGAGATAGTACTGGAGCGAGTCAGGTTGACCCGCATGGACCTTGAAGTTCTGA
 ATTACTGCGTGCAGTGTGCCAGATGGCCAGGCTCTGAGACTGGTGAGCTGTGGGCTGGTGGCGGCAAA
 GGAGAAGAAGAAGAAGAAGAGCCTGGTGAAGCGGCTGAAGGGCTCTCAAAGCACCAAGAAACAACCC
 CCAGTCTCCTTGCTGCGTCCACTCTGTGAGACAATGACTACCCCGAAATGTCATCTGAGTGTCTGATCT
 TGTCACTGCAGACTCCCTGATGCAGTTTGCCGAGACCTTCCGAGGCCTGAAGGTAGCTCCTGCCCT
 AAGGGAGTTGGCCCTCCTCCAGAGCCGGCTCACCAACACAGGCCCTGCGTTTACTGTGCGAAGGCCTGGCT
 TGGCCCAAGTCCAGGTGAAGACACTCAGGATGCAGCTGCCTGACCTCCAAGAGGTGATCAATTACTTGG
 TCATCGTGTCTCCAGCAGAGCCAGTCTGACCACTCTGGACCTCAGTGGCTGTGAGCTGCCTGGCGTCAT
 TGTGGAACCTCTGTGTGCAGCCCTGAAGCACCCCTAAATGCTCCCTAAAGACCCTCAGTCTGACCTCTGTG
 GAGCTGAGTGAGAACTACTGAGGGATCTCAAGCTGTGAAGACATCAAAGCCAGATCTGTCCATCATAT
 ATTCAAAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC031139

Insert Size: 1341 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).

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:**
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: [BC031139](#), [AAH31139](#)

RefSeq Size: 3454 bp

RefSeq ORF: 1340 bp

Locus ID: 101613

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]