

Product datasheet for **MG207117**

Nlrp6 (BC031139) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Nlrp6 (BC031139) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Nlrp6 |
| Synonyms: | A1504961; Avr; Nalp6; Navr; Navr/Avr; Non-AVR; Pypaf5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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ORF Nucleotide Sequence:

>MG207117 representing BC031139
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGAAGTCTGCAGGCACCAATGGACCCGGGTTTCAGGGAGAGCTGAGAACGCTGTGTGCCTGGCCA
 GGGAGGGCATCCTGGATCATATAAAGCACAATTCTCAGAAGAGGACCTGGAGAAATTGAAGCTTCGGGG
 TTCCAAGTTCAGACAATATTTCTCAACAAGAAAAGAGATACCAGGAGTGCTAAAACTGAGGTACACCTAC
 CAGTTCATTGACCAGAGCTTCCAGGAGTCTTGCTGCATTGTCATACCTACTAGAAGCTGAGCGAACTC
 CGGGGACGCCCGAGGCGGTGTGCAGAAGCTCCTGAACCTGACGCGGAGCTACGTGGTCATCTTGCACT
 GACCACCCGATTCTCTTTGGCCTGCTAAATACAGAGGGGCTTCGTGACATTGAAAACCATTTTGGCTGT
 GTGGTGCCAGATCATGTAAAAAGGACACCCTGCGGTGGGTACAAGGACAGAGCCACCCCAAGGGGCCAC
 CAGTAGGGGCAAAAAGACTGCTGAGCTGGAGGACATCGAGGACGAGAGGAGGAGGAGGAAGAGGA
 GGACCTCAATTTTGGACTGGAGCTGCTGTACTGCCTGTATGAGACACAGGAGGAGATTTTGTTCGACAG
 GCTCTCAGCAGCCTTCCAGAGATAGTACTGGAGCGAGTACAGTTGACCCGCATGGACCTTGAAGTTCTGA
 ATTACTGCGTGCAGTGTGCCCAGATGGCCAGGCTCTGAGACTGGTGAGCTGTGGGCTGGTGGCGGCAAA
 GGAGAAGAAGAAGAAGAAGAGCCTGGTGAAGCGGCTGAAGGGCTCTCAAAGCACCAAGAAAACACCC
 CCAGTCTCCTTGCTGCGTCCACTCTGTGAGACAATGACTACCCCGAAATGTCATCTGAGTGTCTGATCT
 TGTCACTGCAGACTCCCTGATGCAGTTTCCGAGACCTTTCCGAGGCCTGAAGGTAGCTCCTGCCCT
 AAGGGAGTTGGCCCTCCTCCAGAGCCGGCTCACCAACACAGGCCCTGCGTTTACTGTGCGAAGGCCTGGT
 TGGCCCAAGTCCAGGTGAAGACTCAGGATGCAGCTGCCTGACCTCCAAGAGGTGATCAATTACTTGG
 TCATCGTCTCCAGCAGAGCCAGTCTGACCACTCTGGACCTCAGTGGCTGTCAGCTGCCTGGCGTCAT
 TGTGGAACCTCTGTGTGCAGCCCTGAAGCACCTAAATGCTCCCTAAAGACCCTCAGTCTGACCTCTGTG
 GAGCTGAGTGAGAACTACTGAGGGATCTTCAAGCTGTGAAGACATCAAAGCCAGATCTGTCCATCATAT
 ATTCAAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207117 representing BC031139
 Red=Cloning site Green=Tags(s)

MLKSAGTNGPRVQGEIRTLRLAREGILDHHAQFSEEDLEKLLRGSQVQTIFLNKKEIPGVLKTEVY
 QFIDQSFQEFLAALSYLLEAERTPGTPAGGVQKLLNSDAELRGHLALTRFLFGLLNTEGLRDIGNHFGC
 VVPDHVKKDTLRWVQGSHPKPPVGAKKTAELIEDAEEEEEEEDLNFGLELLYCLYETQEEDFVRQ
 ALSSLPEIVLERVRLTRMDLEVLNYCVQCCPDGQALRLVSCGLVAAKEKKKKKSLVKRLKGSQSTKKQP
 PVSLLRPLCETMTTPKCHLSVLILSHCRLPDAVCRDLSEALKVAPALREGLLQSRLTNTGLRLLCEGLA
 WPKCQVKTLRMQLPDLQEVINYLVIVLQQSPVLTLDLSGCQLPGVIVEPLCAALKHPKCSLKTLSLTSV
 ELSENSLRDLQAVKTSKPDLSIIYSK

TRTRPLE – GFP Tag – V

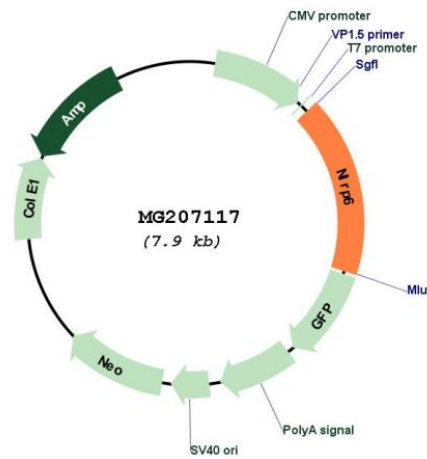
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC031139

ORF Size: 1340 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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| 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: | <u>BC031139</u> , <u>AAH31139</u> |
| 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] |