

Product datasheet for **SC306008**

NALP6 (NLRP6) (NM_138329) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | NALP6 (NLRP6) (NM_138329) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | NALP6 |
| Synonyms: | AVR; CLR11.4; NALP6; NAVR; NAVR/AVR; PAN3; PYPAF5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >SC306008 representing NM_138329
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCAGCCAGAGGCCCTGCTCCAGCACGGGGCCGCGCCTCGCGGTGGCCCGAGCTGCTCCTGG
 CTGCGCTGGAGGAACTGAGCCAAGAGCAGCTGAAGCGCTTCCGCCACAAGCTGCCGACGTGGGCCCGGA
 CGGACGCAGCATCCCGTGGGGCGGCTGGAGCGCGGGACGCCGTGGACCTCGCGGAGCAGCTGGCCAG
 TTCTACGGCCCGAGCCTGCCCTGGAGGTGGCCCGCAAGACCCTCAAGAGGGCGGACGCGCGCAGCTGG
 CGGCGCAGCTCCAGGAGCGGGCTGCAGCGGCTCGGGCTCGGCTCCGGGACGCTGCTCTCCGTGCCGA
 GTACAAGAAGAAGTACCGGGAGCAGTGTGCAGCTGCACGCTCGGGTGAAGGAGAGGAACGCCCTCC
 GTGAAGATCACCAAGCGCTTACCAAGCTGCTCATCGCGCCGAGAGCGCCGCCCGGAGGAGGCGATGG
 GGCCCGCGGAAGAGCCTGAGCCGGGGCGCGCGGGCGCTCGGACACGCACACTTCAACCGCCTTCCG
 CCGCAGCAGGAGGGCCGGCGGGCTGACCGTGGTGTGCAGGGCCCGCGGGCATCGCAAGACCATG
 GCGGCCAAAAAGATCCTGTACGACTGGCGGGCGGCAAGCTGTACCAGGGCCAGGTGGACTTCGCCTTCT
 TCATGCCTGCGGCGAGCTGCTGGAGAGGCCGGGCACGCGCAGCCTGGGTGACCTGATCCTGGACCAGT
 CCCCAGCCGCGCGCGCCGGTGCAGCAGATGCTGGCCAGCCGACGCGGCTGCTTTCATCCTGGACGGC
 GCGGACGAGCTGCCGGCGCTGGGGGGCCCCGAGGCCGCGCCCTGCACAGACCCCTTCGAGGCGCGGAGCG
 GCGCGCGGGTGTAGGCGGGTGTGAGCAAGGCGCTGCTGCCACGGCCCTCCTGTGGTGACCACGCG
 CGCCCGCCCCCGGAGGCTGCAGGGCCGCTGTGTTCCCGCAGTGCGCCGAGGTGCGCGGCTTCTCC
 GACAAGGACAAGAAGAAGTATTTCTACAAGTATTTCCGGGATGAGAGGAGGGCCGAGCGGCCTACCGCT
 TCGTGAAGGAGAACGAGACGCTGTTCCGCTGTGCTTCCGCTTTCGTGTGCTGGATCGTGTGACCCGT
 GCTGCGCCAGCAGCTGGAGCTCGGTGGGACCTGTGCGCACGCTCAAGACCACACGTCAGTGTACCTG
 CTTTTATCACCAGCTTCTGAGCTCGGCTCCGGTAGCCGACGGGCCCGGTTGCAGGGGACCTGCGCA
 ATCTGTGCCGCTGGCCCGGAGGGCGTCTCGGACGCAGGGCGCAGTTTGCCGAGAAGGAACTGGAGCA
 ACTGGAGCTTCGTGGCTCCTAAAGTGCAGACGCTGTTTCTCAGCAAAAAGGAGCTGCCGGGCGTGTGGAG
 ACAGAGGTCACCTACCAGTTCATCGACCAGAGCTTCCAGGAGTTCCTCGCGGCACTGTCTACCTGCTGG
 AGGACGGCGGGGTGCCAGGACCGGGTGGCGCGTGGGACACTCCTGCGTGGGACGCCAGCCGCA
 CAGCCACTTGGTGTACACACGCGCTTCTCCTCGGACTGCTGAGCGCGGAGCGGATGCGCGACATCGAG
 CGCCACTTCGGTGCATGGTTTTCAGAGCGTGTGAAGCAGGAGGCCCTGCGGTGGGTGCAGGGACAGGGAC
 AGGGTGCCTCCGAGTGGCACCAGAGGTGACCGAGGGGCCAAAGGGCTCGAGGACACCGAAGAGCCAGA
 GGAGGAGGAGGAGGAGAGGAGCCAACTACCCACTGGAGTTGCTGTACTGCCTGTACGAGACGCAGGAG
 GACGCGTTTGTGCGCCAAGCCCTGTGCCGTTCCCGGAGCTGGCGCTGCAGCGAGTGCCTTCTGCCGA
 TGGACGTGGCTGTTCTGAGTACTGCGTGGAGTGTGCCCTGCTGGACAGGCACTGCGGCTGATCAGCTG
 CAGATTGGTGTGCGCAGGAGAAGAAGAAGAGCCTGGGGAAGCGGCTCCAGGCCAGCCTGGGTGGC
 GGCAGCAGTTCCTAAGGCACCACAAAACAACCTGCCAGCCTCCCTTCTTCCACTCTTTCAGGCAATGA
 CTGACCCACTGTGCCATCTGAGCAGCCTCACGCTGTCCACTGCAAACTCCCTGACGCGGTCTGCCGAGA
 CCTTTCTGAGGCCCTGAGGGCAGCCCCGCACTGACGGAGCTGGGCCTCCTCCACAACAGGCTCAGTGAG
 GCGGGACTGCGTATGCTGAGTGAGGGCCTAGCCTGGCCGAGTGCAGGGTGCAGACGGTACAGGTACAGC
 TGCTGACCCCGAGGAGGCTCCAGTACCTGGTGGTATGCTTCCGCGAGAGCCCTGCCCTGACCACCT
 GGATCTCAGCGGCTGCCAACTGCCCGCCCCATGGTGACCTACCTGTGTGAGTCTGCAGCACCAGGGA
 TGCGGCTGCAGACCCTCAGTCTGGCTCTGTGGAGCTGAGCGAGCAGTCACTACAGGAGCTTACGGCTG
 TGAAGAGAGCAAAGCCGGATCTGGTATCACACACCCAGCGCTGGACGGCACCCACAACCTCCAAGGA
 ACTCATCTCGACCTTCTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Please inquire
ACCN: NM_138329

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| Insert Size: | 2700 bp |
| OTI Disclaimer: | <p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p> |
| OTI Annotation: | The ORF clone has been fully sequenced and found to be a perfect match to NM_138329.1. |
| 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_138329.1 , NP_612202.1 |
| RefSeq Size: | 2763 bp |
| RefSeq ORF: | 2763 bp |
| Locus ID: | 171389 |
| UniProt ID: | P59044 |
| Cytogenetics: | 11p15.5 |
| Gene Summary: | <p>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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p> |