

## Product datasheet for **SC306608**

### NALP5 (NLRP5) (NM\_153447) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NALP5 (NLRP5) (NM_153447) Human Untagged Clone
Tag:	Tag Free
Symbol:	NALP5
Synonyms:	CLR19.8; MATER; NALP5; PAN11; PYPAF8
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_153447 edited  
 ATGAAGGTTGCAGGAGGACTTGAACCTGGAGCTGCTGCTCTCAGCATCACCACGT  
 GCTCTTGTCACTTTCCACAGGCTCCTACTTGCTCTATATTACCAAAGAATCCACTTTTC  
 CCCCCAAAACCTGAGCTCTCAGCCTTGATCAAGATGGAAGGAGACAAATCGCTCACCTTT  
 TCCAGCTACGGGCTGCAATGGTGTCTCTATGAGCTAGACAAGGAAGAATTCAGACATTC  
 AAGGAATTAATAAAGAAGAAATCTTCAAGATCGACCACATGCTCTATTCCACAGTTTGA  
 ATCGAGAATGCCAACGTGGAATGTCTGGCACTCCTCTTGCATGAGTATTATGGAGCATCG  
 CTGGCCTGGGCTACGTCCATTAGCATCTTTGAAAACATGAACCTGCGAACCTCTCGGAG  
 AAGGCACGGGATGACATGAAAAGACATTCACCAGAAGATCCTGAAGCAACGATGACTGAC  
 CAAGGACCAAGCAAGGAAAAAGTCCAGGAATTCACAAGCTGTGCAACAAGATAGTGCC  
 ACAGCTGCAGAGACAAAAGAACAAGAAATTCACAAGCTATGGAACAAGAAGGTGCCACA  
 GCAGCAGAGACAGAAGAACAAGGACATGGAGGTGACACATGGGACTACAAGATCACGTG  
 ATGACCAAATTCGCTGAGGAGGAGGATGTACGTCTAGTTTTGAAAACACTGCTGCTGAC  
 TGGCCGGAAATGCAAACGTTGGCTGGTGTCTTTGATTAGACCCGGTGGGGCTTCCGGCCT  
 CGCACGGTGGTTCTGCACGGAAGTCCAGGAATGGGAAATCGGCTCTAGCCAGAAGGATC  
 GTGCTGTGCTGGGCGCAAGGTGGACTCTACCAGGAATGTTCTCCTACGTCTTCTCCTC  
 CCCGTTAGAGAGATGCAGCGGAAGAAGGAGAGCAGTGTACAGAGTTCATCTCCAGGGAG  
 TGGCCAGACTCCCAGGCTCCGGTGACGGAGATCATGTCCCAGCAAGAAAGGCTGTTGTTT  
 ATCATTGACGGTTTCGATGACCTGGGCTCTGTCTCAACAATGACACAAAGCTCTGCAA  
 GACTGGGCTGAGAAGCAGCCTCCGTTACCCCTCATACGAGTCTGCTGAGGAAGGTCCTG  
 CTCCTGAGTCCCTCCTGATCGTACCCTCAGAGACGTGGGCACAGAGAAGCTCAAGTCA  
 GAGGTCGTGTCTCCCGTTACCTGTTAGTTAGAGGAATCTCCGGGGAACAAGAATCCAC  
 TTGCTCCTGAGCGCGGATTGGTGAAGATCAGAAGACACAAGGTTGCGTGCGATCATG  
 AACAAACCGTGAGCTGCTCGACAGTCCAGGTGCCCGCCGTGGGCTCTCTCATCTGCGTG  
 GCCCTGCAGCTGCAGGACGTGGTGGGGGAGAGCGTCGCCCCCTTCAACCAAACGCTCACA  
 GGCCTGCACGCCGCTTTTGTGTTTCATCAGCTCACCCTCGAGGCGTGGTCCGGCGCTGT  
 CTCATCTGGAGAAAGAGTTGCTCTGAAGCGCTTCTGCCGTATGGCTGTGGAGGGAGTG



TGGAATAGGAAGTCAGTGTTTGACGGTGACGACCTCATGGTTCAAGGACTCGGGGAGTCT  
 GAGCTCCGTGCTCTGTTTACATGAACATCCTTCTCCCAGACAGCCACTGTGAGGAGTAC  
 TACACCTTCTCCACCTCAGTCTCCAGGACTTCTGTGCCGCTTGTACTACGTGTTAGAG  
 GGCCTGGAATCGAGCCAGCTCTCTGCCCTCTGTACGTTGAGAAGACAAAGAGGTCCATG  
 GAGCTTAAACAGGCAGGCTTCCATATCCACTCGCTTTGGATGAAGCGTTTCTGTTTGGC  
 CTCGTGAGCGAAGACGTAAGGAGGCCACTGGAGGTCTGTGGGTGTCCCGTCCCTCG  
 GGGTGAAGCAGAAGCTTCTGCACTGGGTCTCTGTGTTGGGTGAGCAGCCTAATGCCACC  
 ACCCCAGGAGACACCCTGGACGCTTCCACTGTCTTTTTCGAGACTCAAGACAAAGAGTTT  
 GTTCGCTTGGCATTAAACAGCTTCCAAGAAGTGTGGCTTCCGATTAAACCAGAACCTGGAC  
 TTGATAGCATCTTCTTCTGCTCCAGCACTGTCCGATTTTTCGGAAAATTTCGGGTGGAT  
 GTCAAAGGGATCTTCCAAGAGATGAGTCCGCTGAGGCATGTCCTGTGGTCCCTCTATGG  
 ATGCGGGATAAGACCCTCATTGAGGAGCAGTGGGAAGATTTCTGCTCCATGCTTGGCACC  
 CACCCACACCTGCGGCAGCTGGACCTGGGCAGCAGCATCTGACAGAGCGGGCCATGAAG  
 ACCCTGTGTGCCAAGCTGAGGCATCCCACCTGCAAGATACAGACCCTGATGTTTAGAAAT  
 GCACAGATTACCCTGGTGTGCAGCACCTCTGGAGAATCGTCATGGCCAACCGTAACCTA  
 AGATCCCTCAACTTGGGAGGCACCCACCTGAAGGAAGAGGATGTAAAGGATGGCGTGTGAA  
 GCCTTAAACACCCAAAATGTTTGTGGAGTCTTTGAGGCTGGATTGCTGTGGATTGACC  
 CATGCCTGTTACCTGAAGATCTCCAAAATCCTTACGACCTCCCCAGCCTGAAATCTCTG  
 AGCCTGGCAGGAAAACAAGGTGACAGACCAGGGAGTAAATGCCTCTCAGTGTGCTTGGAGA  
 GTCTCCAGTGGCCCTGCAGAAGCTGATACTGGAGGACTGTGGCATCACAGCCACGGGT  
 TGCCAGAGTCTGGCCTCAGCCCTCGTACGAACCGGAGCTTGACACACCTGTGCCTATCC  
 AACACAGCCTGGGAACGAAGGTGTAATCTACTGTGTCGATCCATGAGGCTTCCCAC  
 TGTAGTCTGCAGAGGCTGATGCTGAATCAGTGCCACCTGGACACGGCTGGCTGTGGTTTT  
 CTTGCACTTGGCTTATGGGTAACCTCATGGCTGACGCACCTGAGCCTTAGCATGAACCT  
 GTGGAAGACAATGGCGTGAAGCTTCTGTGCGAGGTCATGAGAGAACCATCTTGTATCTC  
 CAGGACCTGGAGTTGGTAAAGTGTATCTCACCGCCGCTGCTGTGAGAGTCTGTCTGT  
 GTGATCTCGAGGAGCAGACACCTGAAGAGCCTGGATCTCACGGACAATGCCCTGGGTGAC  
 GGTGGGTTGCTGCGCTGTGCGAGGACTGAAGCAAAAGAACAGTGTCTGGCGAGACTC  
 GGGTTGAAGGCATGTGGACTGACTTCTGATTGCTGTGAGGCACTCTCCTTGGCCCTTCC  
 TGCAACCGGCATCTGACCAGTCTAAACCTGGTGCAGAATAACTTCAGTCCCAAAGGAATG  
 ATGAAGCTGTGTTCCGCCCTTTCCTGTCCACGCTAACTTACAGATAATTGGGCTGTGG  
 AAATGGCAGTACCCTGTGCAAAATGAAGGAAGCTGCTGGAGGAAGTGCAGCTACTCAAGCCC  
 CGAGTCGTAATTGACGGTAGTTGGCATTCTTTTGTGAAGATGACCGGTACTGGTGGAAA  
 AACTGA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_153447 unedited  
 TTGCAGGAGGACTTGAACCTGGAGCTGCTGCTCTCAGCATCACCAGTGTCTTTG  
 TCACTCTTTCACAGGTCCTACTTGTCTATATTACCAAAGAATCCACTTTTCCCCAAAA  
 CCTGAGCTCTCAGCCTTGTATCAAGATGGAAGGAGACAAATCGCTCACCTTTTCCAGCTA  
 CGGGCTGCAATGGTGTCTCTATGAGCTAGACAAGGAAGAAATTTTCAGACATTCAAGGAATT  
 ACTAAAGAAGAAATCTTCAGAATCGACCACATGCTCTATTCCACAGTTTAAAATCGAGAA  
 TGCCAACGTGGAATGTCTGGCACTCCTTGTGATGAGTATTATGGAGCATCGCTGGCCTG  
 GGCTACGTCCATTAGCATCTTTGAAAACATGAACCTGCGAACCCTCTCGGAGAAGGCACG  
 GGATGACATGAAAAGACATTCACCAGAAGATCCTGAAGCAACGATGACTGACCAAGGACC  
 AAGCAAGGAAAAAGTGCCAGGAATTTACAAGCTGTGCAACAAGATAGTGCCACAGCTGC  
 AGAGACAAAAGAACAAGANATTTACAAGCTATGGAACAGGAAGGTGCCACAGCAGCAGA  
 GACAGAAGAACAAGGACATGGGAGTGACACATGGGACTACAAGAGTCACGTGATGACCAAA  
 TTCGCTGAGGAGGAGGATGTACGTCATAGTTTTGGAACACTGTGCTGACTGGCCCGG  
 AATGCAAACGTTGGCTGGTCTTTTATTGATTGAGCCGGTGGGGCTTCCGGCCTCGCACGG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_153447

<b>Insert Size:</b>	3500 bp
<b>OTI Disclaimer:</b>	<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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> 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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<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>	<a href="#">NM_153447.3</a> , <a href="#">NP_703148.3</a>
<b>RefSeq Size:</b>	3828 bp
<b>RefSeq ORF:</b>	3546 bp
<b>Locus ID:</b>	126206
<b>UniProt ID:</b>	<a href="#">P59047</a>
<b>Cytogenetics:</b>	19q13.43
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the NALP protein family. Members of the NALP protein family typically contain a NACHT domain, a NACHT-associated domain (NAD), a C-terminal leucine-rich repeat (LRR) region, and an N-terminal pyrin domain (PYD). Expression of this gene is restricted to the oocyte. A mouse gene that encodes a maternal oocyte protein, similar to this encoded protein, is required for normal early embryogenesis. [provided by RefSeq, Jul 2008]</p>