

## Product datasheet for **SC318548**

### 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  
 GCTCTTGTCACTTTCCACAGGCTCTGCTCTATATTACCAAAGAATCCACTTTTC  
 CCCCCAACCTGAGCTCTCAGCCTTGATCAAGATGGAAGGAGACAAATCGCTCACCTTT  
 TCCAGCTACGGGCTGCAATGGTGTCTCTATGAGCTAGACAAGGAAGAATTCAGACATTC  
 AAGGAATTAATAAAGAAGAAATCTCAGAATCGACCACATGCTCTATTCCACAGTTTGA  
 ATCGAGAATGCCAACGTGGAATGTCTGGCACTCCTCTTGCATGAGTATTATGGAGCATCG  
 CTGGCCTGGGCTACGTCCATTAGCATCTTTGAAAACATGAACCTGCGAACCTCTCGGAG  
 AAGGCACGGGATGACATGAAAAGACATTCACCAGAAGATCCTGAAGCAACGATGACTGAC  
 CAAGGACCAAGCAAGGAAAAAGTCCAGGAATTCACAAGCTGTGCAACAAGATAGTGCC  
 ACAGCTGCAGAGACAAAAGAACAAGAAATTCACAAGCTATGGAACAAGAAGGTGCCACA  
 GCAGCAGAGACAGAAGAACAAGAAATTCACAAGCTATGGAACAAGAAGGTGCCACAGCA  
 GCAGAGACAGAAGAACAAGGACATGGAGGTGACACATGGGACTACAAGAGTCACGTGATG  
 ACCAAATTCGCTGAGGAGGAGGATGTACGTCGTAGTTTTGAAAACACTGCTGCTGACTGG  
 CCGGAAATGCAAACGTTGGCTGGTGTCTTTGATTACAGACCGGTGGGGCTTCCGGCCTCGC  
 ACGGTGGTTCTGCACGGAAAGTCAGGAATGGGAAATCGGCTCTAGCCAGAAGGATCGTG  
 CTGTGCTGGGCGCAAGGTGGACTCTACCAGGGAATGTTCTCCTACGTCTTCTTCTCCCC  
 CCAGACTCCAGGCTCCGGTGACGGAGATCATGTCCCAGCAGAAAGGCTGTTGTTTCATC  
 ATTGACGGTTTTGATGACCTGGGCTCTGTCTCAACAATGACACAAGCTCTGCAAAGAC  
 TGGGCTGAGAAGCAGCCTCCGTTACCCTCATACGCAGTCTGCTGAGGAAGGTCCTGCTC  
 CCTGAGTCCTTCTGATCGTCACCGTCAGAGACGTGGGCACAGAGAAGCTCAAGTCAGAG  
 GTCGTGTCTCCCCGTTACCTGTTAGTTAGAGGAATCTCCGGGAACAAGAATCCACTTG  
 CTCCTTGAGCGCGGGATTGGTGAGCATCAGAAGACACAAGGGTTGCGTGCGATCATGAAC  
 AACCGTGAGCTGCTCGACCAGTGCCAGGTGCCCGCGTGGGCTCTCTCATCTGCGTGGCC  
 CTGCAGCTGCAGGACGTGGTGGGGAGAGCGTCGCCCCCTTCAACCAAACGCTCACAGGC  
 CTGCACCGCGCTTTGTGTTTCATCAGCTCACCCCTCGAGGCGTGGTCCGGCGCTGTCTC



[View online »](#)

AATCTGGAGGAAAAGAGTTGTCCTGAAGCGCTTCTGCCGTATGGCTGTGGAGGGAGTGTGG  
 AATAGGAAGTCAGTGTTCGACGGTGACGACCTCATGGTTCAAGGACTCGGGGAGTCTGAG  
 CTCCGTGCTCTGTTTCACATGAACATCCTTCTCCCAGACAGCCACTGTGAGGAGTACTAC  
 ACCTTCTTCCACCTCAGTCTCCAGGACTTCTGTGCCGCTTGTACTACGTGTTAGAGGGC  
 CTGAAATCGAGCCAGCTCTCTGCCCTGTACGTTGAGAAGACAAGAGGTCCATGGAG  
 CTTAAACAGGCAGGCTTCCATATCCACTCGCTTGGATGAAGCGTTTCTGTTTGGCCTC  
 GTGAGCGAAGACGTAAGGAGGCCACTGGAGGTCCTGCTGGGCTGTCCCCTTCCCCTGGGG  
 GTGAAGCAGAAGCTTCTGCACTGGGTCTCTGTTGGGTGAGCAGCCTAATGCCACCACC  
 CCAGGAGACACCCTGGACGCCTTCCACTGTCTTTTCGAGACTCAAGACAAAGAGTTTGT  
 CGTTGGCATTAAACAGCTTCCAAGAAGTGTGGCTTCCGATTAACCAGAACCTGGACTTG  
 ATAGCATCTTCTCTGCTCCAGCACTGTCCGATTTGCGGAAAATTCGGGTGGATGTC  
 AAAGGGATCTTCCAAGAGATGAGTCCGCTGAGGCATGTCCTGTGGTCCCTCTATGGATG  
 CGGGATAAGACCCTCATTGAGGAGCAGTGGGAAGATTTCTGCTCCATGCTTGGCACCAC  
 CCACACCTGCGGAGCTGGACCTGGGCAGCAGCATCCTGACAGAGCGGGCCATGAAGACC  
 CTGTGTGCCAAGCTGAGGCATCCACCTGCAAGATACAGACCCTGATGTTTAGAAATGCA  
 CAGATTACCCCTGGTGTGAGCAGCCTCTGGAGAATCGTCATGGCCAACCGTAACCTAAGA  
 TCCTCAACTTGGGAGGCACCCACCTGAAGGAAGAGGATGAAGGATGGCGTGTGAAGCC  
 TAAAAACACCCAAAATGTTTGTGGAGTCTTTGAGGCTGGATTGCTGTGGATTGACCCAT  
 GCCTGTTACCTGAAGATCTCCAAATCCTTACGACCTCCCCAGCCTGAAATCTCTGAGC  
 CTGGCAGGAAACAAGGTGACAGACCAGGGAGTAATGCCTCTCAGTGATGCCTTGAGAGTC  
 TCCCAGTGCGCCCTGCAGAAGCTGATACTGGAGGACTGTGGCATCACAGCCACGGGTTGC  
 CAGAGTCTGGCCTCAGCCCTCGTCAGCAACCGGAGCTTGACACACCTGTGCCTATCCAAC  
 AACAGCCTGGGGAACGAAGGTGTAATCTACTGTGTCGATCCATGAGGCTTCCCCTGT  
 AGTCTGCAGAGGCTGATGCTGAATCAGTGCCACCTGGACACGGCTGGCTGTGTTTTCTT  
 GCACTTGCCTTATGGGTAACCTCATGGCTGACGCACCTGAGCCTTAGCATGAACCCTGTG  
 GAAGACAATGGCGTGAAGCTTCTGTGCGAGGTCATGAGAGAACCATCTTGTATCTCCAG  
 GACCTGGAGTTGGTAAAGTGTCTCTCACCGCCGCGTGTGTGAGAGTCTGTCTGTGTG  
 ATCTCGAGGAGCAGACACCTGAAGAGCCTGGATCTCACGGACAATGCCCTGGGTGACGGT  
 GGGGTTGCTGCGCTGTGCGAGGGACTGAAGCAAAAGAACAGTGTCTGGCGAGACTCGGG  
 TTGAAGGCATGTGGACTGACTTCTGATTGCTGTGAGGCACTCTCCTTGGCCCTTCTCTGC  
 AACCGCATCTGACCAGTCTAACCTGGTGCAGAATAACTTCAGTCCCAAAGGAATGATG  
 AAGCTGTGTTTCGGCCTTTCCTGTCCCAGTCTAACTTACAGATAATTGGGCTGTGGAAA  
 TGGCAGTACCCTGTGCAATAAGGAAGCTGCTGGAGGAAGTGCAGCTACTCAAGCCCCGA  
 GTCGTAATTGACGGTAGTTGGCATTCTTTTGTGAAGATGACCGTACTGGTGAAAAAC  
 TGA

**Restriction Sites:** Please inquire  
**ACCN:** NM\_153447  
**Insert Size:** 3600 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>	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
<b>Components:</b>	<p>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).</p>
<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_153447.4</a> , <a href="#">NP_703148.4</a>
<b>RefSeq Size:</b>	3885 bp
<b>RefSeq ORF:</b>	3603 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>