

## Product datasheet for **SC308759**

### NLRC5 (NM\_032206) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NLRC5 (NM\_032206) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NLRC5  
**Synonyms:** CLR16.1; NOD4; NOD27  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_032206 edited  
 GCCCTTAACAACCTGTCAATCCAGCTCAAGGCACACATAGCCACACCCATGAGACCC  
 TCTCCGTGGGACCCTAGAGCACCTATCATGAACGAGGAGACCAAGGCTGGCTCCTCATG  
 GACCCCGTTGGCCTCCAGCTCGGCAACAAGAACCTGTGGAGCTGTCTTGTGAGGCTGCTC  
 ACCAAAGACCCAGAATGGCTGAACGCCAAGATGAAGTTCTTCTCCCAACACGGACCTG  
 GATTCCAGGAACGAGACCTTGGACCCTGAACAGAGAGTATCCTGCAACTCAACAAGCTG  
 CATGTCCAGGGTTCGGACACCTGGCAGTCTTTCATTTCATTGTGTGTGCATGCAGCTGGAG  
 GTGCCCTGGACCTGGAGGTGCTGCTGAGTACTTTTGGCTATGATGATGGGTTACC  
 AGCCAGCTGGGAGCTGAGGGGAAAAGCCAACCTGAATCTCAGCTCCACCATGGCCTGAAG  
 CGCCACATCAGAGCTGTGGTCTCACCCGCCGGAAGCAGTGAAGAAGCAGCAGCTA  
 GAGTTGGCCAAGAAGTACCTGCAGCTCCTCGGACCTCTGCCAGCAGCGCTACAGGAGC  
 CAAATCCCTGGTTCAGGGCAGCCACGCTTCCACCAGTCTATGTCCCTCCAATCCTG  
 CGCCGGGCCACAGCATCCTTAGACACTCCGGAGGGGGCCATTATGGGGGACGTC AAGGTG  
 GAAGATGGTGCTGACGTGAGCATCTCGGACCTCTCAACACCAGGGTTAACAAGGGCCCG  
 AGGGTGACCGTGCTTTTGGGGAAGGCTGGCATGGGCAAGACCAGCTGGCCACCCGGCTC  
 TGCCAGAAGTGGGAGGGCCATCTGAACTGTTCCAGGCCCTGTTCTTTTTGAATTC  
 CGCCAGCTCAACTTGATCAGGAGTTCCTGACACCGTCCGAGCTCCTTTTTGATCTGTAC  
 CTGAGCCCTGAATCGGACCACGACACTGTCTTCCAGTACCTGGAGAAGAAGCAGTACCAA  
 GTCCCTGTGATCTTTGATGGGCTAGATGAGGCCCTCCAGCCTATGGGTCCTGATGGCCCA  
 GGCCAGTCCCTCACCTTTTCTCCATCTCTGCAATGGGACCCTCTGCCTGGCTGCCGG  
 GTGATGGTACCTCCCGTCCAGGGAAGTGCCTGCCTGCCTGCCTGCAGAGGCAGCCATG  
 GTCCACATGTTGGGCTTTGATGGCCACGGGTGGAAGAATATGTGAATCACTTCTTCAGC  
 GCCCAGCCATCGCGGGAGGGGGCCCTGGTGGAGTTACAGACAAATGGACGTCTCCGAAGC  
 CTGTGTGCGGTGCCCGCACTGTGCCAAGTCGCCTGTCTCTGCCTCCACCATCTGTTCTCT  
 GACCACGCCCCAGGCCAGTCTGTGGCCCTCTGCCAACATGACTCAGCTCTATATGCAG  
 ATGGTGTCTGCCCTCAGCCCCCTGGGCACTTGCCACCTCGTCCCTACTGGACCTGGGG  
 GAGGTGGCCCTGAGGGGCTGGAGACAGGGAAGTTATCTTCTATGCAAAAGATATTGCT



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CCACCCTTGATAGCTTTTGGGGCCACTCACAGCCTGCTGACTTCCTTCTGCGTCTGCACA  
GGCCCTGGGCACCAGCAGACAGGCTATGCTTTCACCCACCTCAGCCTGCAGGAGTTTCTT  
GCTGCCCTGCACCTGATGGCCAGCCCAAGGTGAACAAAGACACACTTACCCAGTATGTT  
ACCCTCCATTCCCCTGGGTACAGCGGACCAAAGCTAGACTGGGCTCTCAGACCACCTC  
CCCACCTTCTGGCGGGCTGGCATCTGCACCTGCCGCCCTTCTTAGCCACCTGGCG  
CAGGGCAATGAGGACTGTGTGGGTGCCAAGCAGGCTGCTGTAGTGCAGGTGTTGAAGAAG  
TTGGCCACCCGAAGCTCACAGGGCCAAAGTTGTAGAGCTGTGTCACTGTGTGGATGAG  
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AGCAGAAGCTTGACGCTCAGGCTGCAGAAGTGTGAGCTCCAGGTCCGTGATGCGGAGGCC  
CTCATAGCCCTGCTCCAGGAAGGCCCTCACCTGGAGGAAGTGGACCTCTCAGGGAACCAG  
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CTCTTCCGCTTGGACATCAGCTTTGAAAGCCAACACATCTCTGAGAGGGGACAAGACA  
AGCAGGGATATGTGGCCACTGGATCTTGGCAGACTTCCAGCTGCAGCCAAGTTCTTA  
GGTTCCGTGAGCGCTGCATCCCCAGGAGCCTCTGCCTCAGTGAAGTGTCTCTGGAGCCC  
CCAAGCCTCACCCGCTCTGTGCCACTCTGAAGGACTGCCCGGGACCCCTGGAACGTCAA  
TTGTCTGTGAGTTCTGAGTGACCAGAGCCTGGAGACTTACTGGACTGCTTACCTCAA  
CTCCCTCAGTGAGCCTGCTGCAGCTGAGCCAGACGGGACTGTCCCCGAAAAGCCCTTC  
CTGCTGGCCAACACCTTAAAGCCTGTGTCCACGGGTTAAAAAGGTGGATCTCAGGTCCCTG  
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TGCCCTTGGAAATGTCTGCCGAGGTGCCATCTCCGGTTTGTGATCTGAGTACAAC  
AGCATTCTCAGGAAAGTGCCCTGTACCTGCTGGAGACTGCCCTCTGCCACGTGTC  
CGGGAGGCTCAGTGAACCTGGGCTCTGAGCAGAGCTTCCGGATTCATTCTCCAGAGAG  
GACCAGGCTGGGAAGACTCAGGCTAAGTGAAGTGCAGCTTCCGGCCAGAGCACGTGTC  
AGGCTGGCCACCGGCTTGGCAAGTCCCTGCAGCTGACGGAGCTCAGCTGACCCAGTGC  
TGCTGGGCCAGAAGCAGCTGGCCATCTCTGAGCTTGGTGGGGGACCCGAGGGCTG  
TTCAGCCTCAGGGTGCAGGAGCCGTGGGCGACAGAGCCAGGGTTCTCTCCCTGTAGAA  
GTCTGCGCCAGGCTCAGGCAGTGTCACTGAAATCAGCATCTCCGAGACCCAGCAGCAG  
CTCTGTGTCCAGCTGGAATTTCTCGCCAGGAAGAGAATCCAGAAGCTGTGGCACTCAGG  
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AGTTCCCTGCTGCTGCAGAGCCTCTGCTGTCCCTCTCTGAGCTGAAGACATTTCCGGCTG  
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CACCACTTGGAGGAGCTGGACTTGTCTAACAAATCAATTTGATGAGGAGGGCACCAAGGCG  
 CTGATGAGGGCCCTTGAGGGGAAATGGATGCTAAAGAGGCTGGACCTCAGTCACCTTCTG  
 CTGAACAGCTCCACCTTGGCCTTGTACTCACAGACTAAGCCAGATGACCTGCCTGCAG  
 AGCCTCAGACTGAACAGGAACAGTATCGGTGATGTCGGTTGCTGCCACCTTTCTGAGGCT  
 CTCAGGGCTGCCACCAGCCTAGAGGAGCTGGACTTGAGCCACAACCAGATTGGAGACGCT  
 GGTGTCCAGCACTTAGCTACCATCCTGCCTGGGCTGCCAGAGCTCAGGAAGATAGACCTC  
 TCAGGGAATAGCATCAGCTCAGCCGGGGAGTGCAGTTGGCAGAGTCTCTCGTTTTC  
 AGGCGCCTGGAGGAGTTGATGCTTGGCTGCAATGCCCTGGGGATCCCACAGCCCTGGGG  
 CTGGCTCAGGAGCTGCCCCAGCACCTGAGGGTCTACACCTACCATTAGCCATCTGGGG  
 CCAGGTGGGGCCCTGAGCCTGGCCAGGCCCTGGATGGATCCCCCATTGGAAGAGATC  
 AGCTTGGCGGAAAACAACCTGGCTGGAGGGTCTGCGTTTCTGTATGGAGCTCCCGTG  
 CTCAGACAGATAGACCTGGTTTCTGTAAGATTGACAACCAGACTGCCAAGCTCCTCACC  
 TCCAGTTCACGAGCTGCCCTGCCCTGGAAGTAATCTTGTGCTCCTGGAATCTCCTCGG  
 GATGAGGCAGCTGCCGAGCTGGCCAGGTGCTGCCGAGATGGGCCGGCTGAAGAGAGTG  
 GACCTGGAGAAGAATCAGATCACAGCTTTGGGGCCTGGCTCCTGGCTGAAGACTGGCC  
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 CAGCACCTGAAGAGCCAGGAGCCAGGCTGGACTTTGCCTTCTTTGACAACCAGCCCCAG  
 GCCCTTGGGGTACTTGTATGGCCCCCTCAAGACCTTTGGAATCCAGCCAAGTGATGCACC  
 CAAATGATCCACCTTTCCGCCACTGGGATAAATGACTCAGGAAAGAGAGCCTCGGCAGG  
 GCGCTCTGCACTCCACCCAGGAGGAAGGATACGTGTGCTCCTGCTGCAGTCTCAGGGAGA  
 ACTTTTTTGGGAACCAGGAGCTGGTCTGGACAAGGAGTACCCTGCATTACGTGGGATA  
 TGTGTGATCAATTGGGGACATGCGACACACAATGAGGGTGTGATGACAATGCATGACACG  
 TACGGTTATATGTGGCAGTGTGACCCCTTGACATGTGGCGTTACATGAAAGTCAGTGTGG  
 CACGTGTTCTGTGGCATGGGTGCTGGCATCCCAAGTGGCAGGATACATGATTGTTGGTCT  
 ATATATGACACATGACAAATGTCCATGTACAGGACTCATGGCTGGCCAGATGACCTCAG  
 GCTGGCCCAAGATCTAATTTATTAATTTTTAAAGCAAATACATATTTATAGATTGTGTG  
 ATGGAGCAGCTAAGTCAGGAAAAGTCTTCCGCCGAGCTGGGAGGGGAGAGTGTCCATGC  
 ACTGACCAGTCCAGGGGCTCAAGGGCCAGGGCTCTGGAACAAGCCAGGGACTCAGCCATT  
 AAGTCCCCTCCTGCCTCAATCCTCAGCCTACCCATCTATAAACTTGATGACTCCTCCCTT  
 ACTTACATACTAGCTTCCAAGGACAGGTGGAGGTAGGGCCAGCCTGGCGGGAGTGGAGAA  
 GCCAGTCTGTCTATGTAAGGGACAAAGCCAGGTCTAATGGTACTGGGTAGGGGGCACT  
 GCCAAGACAATAAGCTAGGCTACTGGGTCCAGCTACTACTTTGGTGGGATTCAGGTGAGT  
 CTCATGCACTTACATGTTACCCAGTGTCTTGTACTTCCAAGGAGAACCAAGAAATGG  
 CTCTGTACACTCGAAGCCAGGTTTGTCAATAAACACAATGGTATTCCAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_032206 unedited  
 GTTCAAATTTGTATACNACTCATATAGGGCGCCGCGNATTCANTTCTGGTACCGAGCTCG  
 GTTACCCTATAACGGCCGCATGTGCTGNGATTGCGCCCTTAACAACCTGTCAATCCAGC  
 TCAAGGCACACATAGCCAGACCCATGAGACCTCTCCGTGGGGACCCTAGAGCACCT  
 ATCATGAACGAGGAGACCAAGGCTGGCTCCTCATGGACCCGTTGGCCTCCAGCTCGGCA  
 ACAAGAACCTGTGGAGCTGTCTTGTGAGGCTGCTACCAAAGACCCAGAATGGCTGAACG  
 CCAAGATGAAGTTCTTCTCCCAACACGGACCTGGATTCCAGGAACGAGACCTTGGACC  
 CTGAACAGAGAGTCATCCTGCAACTCAACAAGCTGCATGTCCAGGGTTCGGACACCTGGC  
 AGTCTTTCATTTCATTGTGTGTGCATGCAGCTGGAGGTGCCTCTGGACCTGGAGGTGCTGC  
 TGCTGAGTACTTTTGGCTATGATGATGGGTTACCAGCCAGCTGGGAGCTGAGGGGAAAA  
 GCCAACCTGAATCTCAGCTCCACCATGGCTGAAGCGCCACATCAGAGCTGTGGTCTCT  
 CACCCCGCGGAAGCAGTGAAGAAGCAGCAGCTAGAGTTGGCCAAGAAGTACCTGCAGC  
 TCCTGCGGACCTCTGCCAGCAGCGCTACAGGAGCCAAATCCCTGGGTGAGGGCAGCCCC  
 ACGCCTTCCACCAGGTCTATGTCCCTCCAATCCTGCGCCCGCCACAGCATCCTTAGACA  
 CTCGGNAGGGGCCATTAGGGGGACGTCAAGGTGAAAGATGGTGTGACGTGAGCATC  
 TTCGGACCTCTCA

<b>3' Read Nucleotide Sequence:</b>	>Forward primer walk for NM_032206 unedited GTGCTCCCCTGCTNCANACGNTAGNNACCTGGTTTCTCTGTAAGNATGACAACCANACTG CCAAGCTCCTCACCTCCAGCTTCCAGAGCTGCCCTGCCCTGNGAGTAATCTTGCTGTCCT GGAATCTCCTCGGGGATGAGGCAGCTGCCGAGCTGGCCAGGTGCTGCCGAGATGGGCC GGCTGAAGAGAGTGGACCTGGAGAAGAATCAGATCACAGCTTTGGGGCCTGGCTCCTGG CTGAAGGACTGGCCAGGGGTCTAGCATCCAAGTCATCCGCCTCTGGAATAACCCCATTC CCTGCGACATGGCCAGCACCTGAAGAGCCAGGAGCCAGGCTGGACTTTGCCTTCTTTG ACAACCAGCCCCAGGCCCTTGGGGTACTTGATGGCCCCCTCAAGACCTTTGGAATCCAG CCAAGTGATGCACCCAAATGATCCACCTTTCGCCCACTGGGATAAATGACTCAGGAAAGA AGAGCCTCGGCAGGGCGCTCTGCACTCCACCCAGGAGGAAGGATACGTGTGCTCCTGCTGC AGTCTCAGGGAGAACTTTTTGGGAACCAGGAGCTGGGTCTGGACAAAGGAGTACCCTG CATTACGTGGGATATGTGTGATCAATTGGGGACATGCGACACACAATGAGGGTGCATGA CAATGCATGACACGTACGGTTATATGTGGCAGTGTGACCCCTTGACATGTGGCGTTACAT GAAAGTCAGTGTGGCACGTGTTCTGTGGCATGGGTGCTGGCATCCCAAGTGGCAGGATAC ATGATTGGTGGGTCTATATATGACACATGACAAATGTCCATGTCACAAGACTCATGCCTG GCCAGATGAACTCAGGCTGCCCAAGATCT
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_032206
<b>Insert Size:</b>	6800 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	There are 7 nucleotide differences between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substitution of 5 amino acids.
<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_032206.2</a> , <a href="#">NP_115582.2</a>
<b>RefSeq Size:</b>	5601 bp
<b>RefSeq ORF:</b>	5601 bp
<b>Locus ID:</b>	84166
<b>UniProt ID:</b>	<a href="#">Q86WI3</a>
<b>Cytogenetics:</b>	16q13

**Domains:** LRR, LRR\_RI, LRR\_CC, LRR\_PS

**Gene Summary:** This gene encodes a member of the caspase recruitment domain-containing NLR family. This gene plays a role in cytokine response and antiviral immunity through its inhibition of NF-kappa-B activation and negative regulation of type I interferon signaling pathways. [provided by RefSeq, Oct 2011]  
Transcript Variant: This variant (1) encodes the longer isoform (1).