

## Product datasheet for **SC309629**

### NALP1 (NLRP1) (NM\_014922) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids

**Product Name:** NALP1 (NLRP1) (NM\_014922) Human Untagged Clone

**Tag:** Tag Free

**Symbol:** NLRP1

**Synonyms:** AIADK; CARD7; CILED; CLR17.1; DEFCAP; DEFCAP-L/S; JRRP; MSPC; NAC; NALP1; PP1044; SLEV1; VAMAS1

**Vector:** pCMV6 series

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_014922, the custom clone sequence may differ by one or more nucleotides  
 ATGGCTGGCGGAGCCTGGGGCCGCTGGCCTGTTACTTGGAGTTCCTGAAGAAGGAGGAG  
 CTGAAGGAGTTCCAGTCTGCTCGCCAATAAAGCGCACTCCAGGAGCTTTCGGGTGAG  
 ACACCCGCTCAGCCAGAGAAGACGAGTGGCATGGAGGTGGCCTCGTACCTGGTGGCTCAG  
 TATGGGGAGCAGCGGGCCTGGGACCTAGCCCTCCATACCTGGGAGCAGATGGGGTGGAG  
 TCACTGTGCGCCCAAGCCAGGAAGGGGCAGGCCACTCTCCCTATTCCCTACAGCCCA  
 AGTGAACCCACCTGGGTCTCCAGCCAACCCACCTCCACCGCAGTGCTAATGCCCTGG  
 ATCCATGAATTGCCGGCGGGGTGCACCCAGGGCTCAGAGAGAAGGGTTTTGAGACAGCTG  
 CCTGACACATCTGGACGCGCTGGAGAGAAATCTCTGCCTCACTCCTCTACCAAGCTCTT  
 CCAAGCTCCCCAGACCATGAGTCTCCAAGCCAGGAGTCACCCAACGCCCCACATCCACA  
 GCAGTGCTGGGGAGCTGGGGATCCCCACCTCAGCCAGCCTAGCACCCAGAGAGCAGGAG  
 GCTCCTGGGACCAATGGCCTCTGGATGAAACGTCAGGAATTTACTACACAGAAATCAGA  
 GAAAGAGAGAGAGAGAAATCAGAGAAAGGCAGGCCCCCATGGGCAGCGGTGGTAGGAACG  
 CCCCCACAGGCGCACACCAGCCTACAGCCCCACCACCACCATGGGAGCCTTCTGTGAGA  
 GAGAGCCTCTGTTCCACATGGCCCTGGAAAAATGAGGATTTTAAACAAAAATTCACACAG  
 CTGCTACTTCTACAAAGACCTCACCCAGAAAGCAAGATCCCCTGGTCAAGAGAAGCTGG  
 CCTGATTATGTGGAGGAGAATCGAGGACATTTAATTGAGATCAGAGACTTATTTGGCCCA  
 GGCTGGATACCCAAGAACCTCGCATAGTCATACTGCAGGGGGCTGCTGGAATTGGGAAG  
 TCAACTGTCAGGCAGGTGAAGGAAGCCTGGGGGAGAGGCCAGCTGTATGGGGACCGC  
 TTCCAGCATGTCTTCTACTTTCAGCTGCAGAGAGCTGGCCAGTCCAAGGTGGTGAAGTCTC  
 GCTGAGCTCATCGAAAAGATGGGACAGCCACTCCGGCTCCCATTAGACAGATCCTGTCT  
 AGGCCAGAGCGGCTGCTTTCATCCTCGATGGTGTAGATGAGCCAGGATGGGTCTTGAG  
 GAGCCGAGTTCTGAGCTCTGTCTGCACTGGAGCCAGCCACAGCCGGCGGATGCACTGCTG  
 GGCAGTTTGTGGGAAAATACTTCCCAGGCATCCTTCTGATCACGGCTCGGACC  
 ACAGCTCTGCAGAACCTATTCTTCTTTGGAGCAGGCACGTTGGGTAGAGGTCCTGGGG  
 TTCTCTGAGTCCAGCAGGAAGGAATATTTCTACAGATATTTACAGATGAAAGGCAAGCA  
 ATTAGAGCCTTTAGGTTGGTCAAATCAAACAAAGAGCTCTGGGCCCTGTGTCTTGTGCC  
 TGGGTGCTCCTGGCTGGCCTGCACTTGCCTGATGCAGCAGATGAAGCGGAAGGAAAAACT  
 AACTGACTTCCAAGACCACCACAACCCCTGTGTACATTACCTTGCCAGGCTCTCCAA



[View online »](#)

GCTCAGCCATTGGGACCCAGCTCAGAGACCTCTGCTCTCTGGCTGCTGAGGGCATCTGG  
 CAAAAAAGACCCTTTTAGTCCAGATGACCTCAGGAAGCATGGGTTAGATGGGGCCATC  
 ATCTCCACCTTCTTGAAGATGGGTATTCTTCAAGAGCACCCCATCCCTCTGAGCTACAGC  
 TTCATTACCTCTGTTTCCAAGATTCTTTCAGCAATGTCCTATGTCTTGGAGGATGAG  
 AAGGGGAGAGGTAACATTCTAATTGCATCATAGATTTGAAAAGACGCTAGAAGCATAT  
 GGAATACATGGCCTGTTTGGGGCATCAACCACACGTTTCTATTGGCCCTGTTAAGTGAT  
 GAGGGGAGAGAGAGATGGAGAACATCTTCACTGCCGGCTGTCTCAGGGGAGGAACCTG  
 ATGCAGTGGGTCCCGTCCCTGCAGCTGCTGCTGCAGCCACACTCTCTGGAGTCCCTCCAC  
 TGCTTGTACGAGACTCGGAACAAAACGTTCTGCACAAAGTGATGGCCCATTTTGAAGAA  
 ATGGGCATGTGTGTAGAAAACAGACATGGAGCTCTTAGTGTGCACTTTCTGCATTAATTC  
 AGCCGCCACGTGAAGAAGCTTCACTGATTGAGGGCAGGCAGCACAGATCAACATGGAGC  
 CCCACCATGGTAGTCTGTTTCAAGTGGTCCCAGTACAGATGCCTATTGGCAGATTCTC  
 TTCTCCGTCTCAAGTCAACGAAACCTGAAGGAGCTGGACCTAAGTGGAAACTCGCTG  
 AGCCACTCTGCAGTGAAGAGTCTTGTAAAGACCCTGAGACGCCCTCGCTGCCTCTGGAG  
 ACCCTGCGGTTGGCTGGCTGTGGCCTCACAGCTGAGGACTGCAAGGACCTTGCCTTTGGG  
 CTGAGAGCAACAGACCTGACCGAGCTGGACCTGAGCTTCAATGTGCTCACGGATGCT  
 GGAGCCAAACACCTTTGCCAGAGACTGAGACAGCCGAGCTGCAAGCTACAGCGACTGCAG  
 CTGGTCAGCTGTGGCCTCACGTCTGACTGCTGCCAGGACCTGGCCTCTGTGCTTAGTGCC  
 AGCCCCAGCCTGAAGGAGCTAGACCTGCAGCAGAAACCTGGATGACGTTGGCGTGCGA  
 CTGCTCTGTGAGGGGCTCAGGCATCCTGCCTGCAAACTCATACGCTGGGGCTGGACCAG  
 ACAACTCTGAGTGATGAGATGAGGCAGGAACTGAGGGCCCTGGAGCAGGAGAACTCAG  
 CTGCTCATCTTACGACAGCGAAACCAAGTGTGATGACCCCTACTGAGGGCCTGGATACG  
 GGAGAGATGAGTAATAGCACATCTCACTCAAGCGGCAGAGACTCGGATCAGAGAGGGCG  
 GCTTCCCATGTTGCTCAGGTAATCTCAAACCTGGAGCTGAGCAAGTCTTCCCAATT  
 GCTGAGATTGCAGAGAAAGCTCCCCAGAGGTAGTACCGTGGAACCTCTGTGCTGCGCT  
 TCTCTGCCTCTCAAGGGGACCTGCATACGAAGCCTTTGGGGACTGACGATGACTTCTGG  
 GGCCCCACGGGGCTGTGGCTACTGAGGTAGTTGACAAAGAAAAGAACTGTACCGAGTT  
 CACTTCCCTGTAGCTGGCTCCTACCGCTGGCCCAACACGGGTCTCTGCTTTGTGATGAGA  
 GAAGCGGTGACCGTTGAGATTGAATTCTGTGTGTTGGGACAGTTCCTGGGTGAGATCAAC  
 CCACAGCACAGCTGGATGGTGGCAGGGCCTCTGCTGGACATCAAGGCTGAGCCTGGAGCT  
 GTGGAAGCTGTGCACCTCCCTCACTTTGTGGCTCTCAAGGGGGCCATGTGGACACATCC  
 CTGTTCCAAATGGCCACTTTAAAGAGGAGGGGATGCTCCTGGAGAAGCCAGCCAGGGTG  
 GAGCTGCATCACATAGTTCTGAAAACCCAGCTTCTCCCTTGGGAGTCCCTCCTGAAA  
 ATGATCCATAATGCCCTGCGCTTCACTCCCGTACCTCTGTGGTGTGCTTTACCACCGC  
 GTCCATCTGAGGAAGTCACTTCCACCTTACCTGATCCCAAGTGACTGCTCCATTTCGG  
 AAGGAAGTGGAGCTCTGCTATCGAAGCCCTGGAGAAGACCAGCTGTTCTCGGAGTTCTAC  
 GTTGGCCACTTGGGATCAGGGATCAGGCTGCAAGTGAAGACAAGAAAGATGAGACTCTG  
 GTGTGGGAGGCCCTTGGTGAACCCAGGAGATCTCATGCCTGCAACTACTCTGATCCCTCCA  
 GCCCGCATAGCCGTACCTTCACTCTGGATGCCCGCAGTTGCTGCACTTTGTGGACCAG  
 TATCGAGAGCAGCTGATAGCCCGAGTGACATCGGTGGAGTTGTCTTGGACAAACTGCAT  
 GGACAGGTGCTGAGCCAGGAGCAGTACGAGAGGGTGTGGCTGAGAACACGAGGCCACGC  
 CAGATGCGGAAGCTGTTCACTTGAAGCAGTCTGGGACCGGAAGTGAAGATGGACTC  
 TACCAAGCCCTGAAGGAGACCCATCCTCACCTCATTATGGAACCTCTGGGAGAAGGGCAGC  
 AAAAAGGGACTCTGCCACTCAGCAGCTGA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_014922

**OTI Disclaimer:**

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>	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.
<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>	<u><a href="#">NM_014922.3</a></u> , <u><a href="#">NP_055737.1</a></u>
<b>RefSeq Size:</b>	5485 bp
<b>RefSeq ORF:</b>	4290 bp
<b>Locus ID:</b>	22861
<b>UniProt ID:</b>	<u><a href="#">Q9C000</a></u>
<b>Cytogenetics:</b>	17p13.2
<b>Domains:</b>	LRR, LRR_RI, PAAD_DAPIN
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	NOD-like receptor signaling pathway
<b>Gene Summary:</b>	<p>This gene encodes a member of the Ced-4 family of apoptosis proteins. Ced-family members contain a caspase recruitment domain (CARD) and are known to be key mediators of programmed cell death. The encoded protein contains a distinct N-terminal pyrin-like motif, which is possibly involved in protein-protein interactions. This protein interacts strongly with caspase 2 and weakly with caspase 9. Overexpression of this gene was demonstrated to induce apoptosis in cells. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the biological validity of some variants has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region, as compared to variant 1. The encoded isoform 2 is missing an internal segment, as compared to isoform 1.</p>