

Product datasheet for **SC308734**

NALP1 (NLRP1) (NM_033006) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: NALP1 (NLRP1) (NM_033006) 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_033006, the custom clone sequence may differ by one or more nucleotides
 ATGGCTGGCGGAGCCTGGGGCCGCTGGCCTGTTACTTGGAGTTCCTGAAGAAGGAGGAG
 CTGAAGGAGTTCAGCTTCTGCTCGCCAATAAAGCGCACTCCAGGAGCTTTCGGGTGAG
 ACACCCGCTCAGCCAGAGAAGACGAGTGGCATGGAGGTGGCTCGTACCTGGTGGCTCAG
 TATGGGGAGCAGCGGGCTGGGACCTAGCCCTCCATACCTGGGAGCAGATGGGGTGGG
 TCACTGTGCGCCCAAGCCAGGAAGGGGCAGGCCACTCTCCCTATTCCCTACAGCCCA
 AGTGAACCCACCTGGGTCTCCAGCCAACCCACCTCCACCGCAGTGCTAATGCCCTGG
 ATCCATGAATTGCCGGCGGGTGCACCCAGGGCTCAGAGAGAAGGGTTTTGAGACAGCTG
 CCTGACACATCTGGACCGCTGGAGAGAAATCTCTGCCTCACTCTCTACCAAGCTCTT
 CCAAGCTCCCAGACCATGAGTCTCCAAGCCAGGAGTCACCAACGCCCCACATCCACA
 GCAGTGTGGGGAGCTGGGGATCCCCACCTCAGCCAGCCTAGCACCCAGAGAGCAGGAG
 GCTCCTGGGACCAATGGCTCTGGATGAAACGTCAGGAATTTACTACACAGAAATCAGA
 GAAAGAGAGAGAGAGAAATCAGAGAAAGGCAGGCCCCATGGGCAGCGGTGGTAGAACG
 CCCCCACAGGCGCACACCAGCCTACAGCCCCACCACCACCATGGGAGCCTTCTGTGAGA
 GAGAGCCTCTGTTCCACATGGCCCTGGAAAAATGAGGATTTTAACCAAAAATTCACACAG
 CTGCTACTTCTACAAAGACCTCACCCAGAAAGCAAGATCCCCTGGTCAAGAGAAGCTGG
 CCTGATTATGTGGAGGAGAATCGAGGACATTTAATTGAGATCAGAGACTTATTTGGCCCA
 GGCTGGATACCCAAGAACCTCGCATAGTCATACTGCAGGGGGCTGCTGGAATTGGGAAG
 TCAACTGTGCCAGGCAGGTGAAGGAAGCCTGGGGGAGAGGCCAGCTGTATGGGGACCGC
 TTCCAGCATGTCTTCTACTTTCAGCTGCAGAGAGCTGGCCAGTCCAAGGTGGTGAAGTCTC
 GCTGAGCTCATCGAAAAGATGGGACAGCCACTCCGGCTCCCATTAGACAGATCCTGTCT
 AGGCCAGAGCGGCTGCTTTCATCCTCGATGGTGTAGATGAGCCAGGATGGGTCTTGAG
 GAGCCGAGTTCGAGCTCTGTCTGCACTGGAGCCAGCCACAGCCGGCGGATGCACTGCTG
 GGCAGTTTGTGGGAAAATACTTCCCAGGCATCCTTCTGATCACGGCTCGGACC
 ACAGCTCTGCAGAACCTATTCTTCTTTGGAGCAGGCACGTTGGGTAGAGGTCCTGGGG
 TTCTCTGAGTCCAGCAGGAAGGAATATTTCTACAGATATTTACAGATGAAAGGCAAGCA
 ATTAGAGCCTTTAGGTTGGTCAAATCAAACAAAGAGCTCTGGGCCCTGTGTCTTGTGCC
 TGGGTGTCTGGCTGGCCTGCACTTGCCTGATGCAGCAGATGAAGCGGAAGGAAAAACT
 AACTGACTTCCAAGACCACCACAACCCCTGTGTACATTACCTTGCCAGGCTCTCAA



[View online »](#)

GCTCAGCCATTGGGACCCAGCTCAGAGACCTCTGCTCTCTGGCTGCTGAGGGCATCTGG
 CAAAAAAGACCCTTTTAGTCCAGATGACCTCAGGAAGCATGGGTTAGATGGGGCCATC
 ATCTCCACCTTCTTGAAGATGGGTATTCTTCAAGAGCACCCCATCCCTCTGAGCTACAGC
 TTCATTACCTCTGTTTCCAAGAGTTCTTTCAGCAATGTCCTATGTCTTGGAGGATGAG
 AAGGGGAGAGGTAACATTCTAATTGCATCATAGATTTGAAAAGACGCTAGAAGCATAT
 GGAATACATGGCCTGTTTGGGGCATCAACCACACGTTTCTATTGGGCCTGTTAAGTGAT
 GAGGGGAGAGAGAGATGGAGAACATCTTCACTGCCGGCTGTCTCAGGGGAGGAACCTG
 ATGCAGTGGGTCCCGTCCCTGCAGCTGCTGCTGCAGCCACTCTCTGGAGTCCCTCCAC
 TGCTTGTACGAGACTCGGAACAAAACGTTCTGACACAAGTGATGGCCATTTTGAAGAA
 ATGGGCATGTGTGTAGAAAACAGACATGGAGCTCTTAGTGTGCACTTTCTGCATTAATTC
 AGCCGCCACGTGAAGAAGCTTCACTGATTGAGGGCAGGCAGCACAGATCAACATGGAGC
 CCCACCATGGTAGTCTGTTTCAAGTGGTCCCAGTACAGATGCCTATTGGCAGATTCTC
 TTCTCCGCTCTCAAGGTCACCAGAAACCTGAAGGAGCTGGACCTAAGTGGAAACTCGCTG
 AGCCACTCTGCAGTGAAGAGTCTTTGTAAGACCCTGAGACGCCCTCGCTGCCTCTGGAG
 ACCCTGCGGTTGGCTGGCTGTGGCCTCACAGCTGAGGACTGCAAGGACCTTGCCCTTGGG
 CTGAGAGCCAACAGACCTGACCGAGCTGGACCTGAGCTTCAATGTGCTCACGGATGCT
 GGAGCCAAACACCTTTGCCAGAGACTGAGACAGCCGAGCTGCAAGCTACAGCGACTGCAG
 CTGGTCAGCTGTGGCCTCACGTCTGACTGCTGCCAGGACCTGGCCTCTGTGCTTAGTGCC
 AGCCCCAGCCTGAAGGAGCTAGACCTGCAGCAGAAACCTGGATGACGTTGGCGTGCGA
 CTGCTCTGTGAGGGGCTCAGGCATCCTGCCTGCAAACTCATACGCTGGGGAAACCAAGT
 GTGATGACCCCTACTGAGGGCCTGGATACGGGAGAGATGAGTAATAGCACATCCTCACTC
 AAGCGGCAGAGACTCGGATCAGAGAGGGCGGCTCCCATGTTGCTCAGGCTAATCTCAA
 CTCCTGGACGTGAGCAAGATCTTCCCAATTGCTGAGATTGCAGAGGAAAGCTCCCAGAG
 GTAGTACCGGTGGAACCTTGTGCGTGCCTTCTCCTGCCTCTCAAGGGGACTGCATACG
 AAGCCTTTGGGGACTGACGATGACTTCTGGGGCCACGGGGCCTGTGGCTACTGAGGTA
 GTTGACAAAGAAAAGAACTTGTACCGAGTTCACCTCCCTGTAGCTGGCTCCTACCCTGG
 CCCAACACGGGTCTCTGCTTTGTGATGAGAGAAGCGGTGACCGTTGAGATTGAATTCTGT
 GTGTGGGACAGTTCTGGGTGAGATCAACCCACAGCACAGCTGGATGGTGGCAGGGCCT
 CTGCTGGACATCAAGGCTGAGCCTGGAGCTGTGGAAGCTGTGCACCTCCCTCACTTTGTG
 GCTCTCCAAGGGGGCCATGTGGACACATCCCTGTTCCAAATGGCCACTTTAAAGAGGAG
 GGGATGCTCCTGGAGAAGCCAGCCAGGGTGGAGCTGCATACATAGTTCTGGAAAACCC
 AGCTTCTCCCCCTTGGGAGTCTCCTGAAAATGATCCAT AATGCCCTGCGCTTCAATCCC
 GTCACCTCTGTGGTGTGCTTTACCACCGCTCCATCCTGAGGAAGTCACCTTCCACCTC
 TACCTGATCCCAAGTGACTGCTCCATTCCGAAGGCCATAGATGATCTAGAAATGAAATTC
 CAGTTTGTGCGAATCCACAAGCCACCCCGCTGACCCCACTTTATATGGGCTGTCGTTAC
 ACTGTGCTGGGTCTGGTTCAGGGATGCTGGAAATACTCCCAAGGAACTGGAGCTCTGC
 TATCGAAGCCCTGGAGAAGACCAGCTGTTCTCGGAGTTTACGTTGGCCACTTGGGATCA
 GGGATCAGGCTGCAAGTAAAAGACAAGAAAGATGAGACTCTGGTGTGGGAGGCCTTGGTG
 AAACAGGAGATCTCATGCCTGCAACTACTCTGATCCCTCCAGCCCGCATAGCCGTACCT
 TCACCTCTGGATGCCCGCAGTTGCTGCACTTTGTGGACCAGTATCGAGAGCAGCTGATA
 GCCCGAGTGACATCGGTGGAGGTTGTCTTGGACAACTGCATGGACAGGTGCTGAGCCAG
 GAGCAGTACGAGAGGGTCTGGCTGAGAACACGAGGCCAGCCAGATGCGGAAGCTGTTT
 AGCTTGAGCCAGTCTGGACCGGAAGTCAAAGATGGACTCTACCAAGCCCTGAAGGAG
 ACCCATCCTCACCTATTATGGAACCTCTGGGAGAAGGGCAGCAAAAAGGGACTCCTGCCA
 CTCAGCAGCTGA

Restriction Sites: Please inquire
ACCN: NM_033006

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).
OTI Annotation:	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.
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:	<u>NM_033006.2</u> , <u>NP_127499.1</u>
RefSeq Size:	5527 bp
RefSeq ORF:	4332 bp
Locus ID:	22861
UniProt ID:	<u>Q9C000</u>
Cytogenetics:	17p13.2
Protein Families:	Druggable Genome
Protein Pathways:	NOD-like receptor signaling pathway
Gene Summary:	<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 (3) lacks an in-frame exon in the middle coding region, as compared to variant 1. The encoded isoform 3 is missing an internal segment, as compared to isoform 1.</p>