

Product datasheet for **SC309631**

NALP1 (NLRP1) (NM_033007) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: NALP1 (NLRP1) (NM_033007) 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_033007, the custom clone sequence may differ by one or more nucleotides
 ATGGCTGGCGGAGCCTGGGGCCGCTGGCCTGTTACTTGGAGTTCCTGAAGAAGGAGGAG
 CTGAAGGAGTTCAGCTTCTGCTCGCCAATAAAGCGCACTCCAGGAGCTTTCGGGTGAG
 ACACCCGCTCAGCCAGAGAAGACGAGTGGCATGGAGGTGGCCTCGTACCTGGTGGCTCAG
 TATGGGGAGCAGCGGGCCTGGGACCTAGCCCTCCATACCTGGGAGCAGATGGGGTGGAG
 TCACTGTGCGCCCAAGCCAGGAAGGGGCAGGCCACTCTCCCTATTCCCTACAGCCCA
 AGTGAACCCACCTGGGTCTCCAGCCAACCCACCTCCACCGCAGTGCTAATGCCCTGG
 ATCCATGAATTGCCGGCGGGTGCACCCAGGGCTCAGAGAGAAGGGTTTTGAGACAGCTG
 CCTGACACATCTGGACCGCTGGAGAGAAATCTCTGCCTCACTCTCTACCAAGCTCTT
 CCAAGCTCCCAGACCATGAGTCTCCAAGCCAGGAGTCACCAACGCCCCACATCCACA
 GCAGTGCTGGGGAGCTGGGGATCCCCACCTCAGCCAGCCTAGCACCCAGAGAGCAGGAG
 GCTCCTGGGACCAATGGCCTCTGGATGAAACGTCAGGAATTTACTACACAGAAATCAGA
 GAAAGAGAGAGAGAGAAATCAGAGAAAGGCAGGCCCCATGGGCAGCGGTGGTAGGAACG
 CCCCCACAGGCGCACACCAGCCTACAGCCCCACCACCACCATGGGAGCCTTCTGTGAGA
 GAGAGCCTCTGTTCCACATGGCCCTGGAAAAATGAGGATTTTAACCAAAAATTCACACAG
 CTGCTACTTCTACAAAGACCTCACCCAGAAAGCAAGATCCCCTGGTCAAGAGAAGCTGG
 CCTGATTATGTGGAGGAGAATCGAGGACATTTAATTGAGATCAGAGACTTATTTGGCCCA
 GGCTGGATACCCAAGAACCTCGCATAGTCATACTGCAGGGGGCTGCTGGAATTTGGGAA
 TCAACTGTCAGGCAGGTGAAGGAAGCCTGGGGGAGAGGCCAGCTGTATGGGGACCGC
 TTCCAGCATGTCTTCTACTTTCAGCTGCAGAGAGCTGGCCAGTCCAAGGTGGTGAAGTCTC
 GCTGAGCTCATCGGAAAAGATGGGACAGCCACTCCGGCTCCCATTAGACAGATCCTGTCT
 AGGCCAGAGCGGCTGCTTTCATCCTCGATGGTGTAGATGAGCCAGGATGGGTCTTGAG
 GAGCCGAGTTCTGAGCTCTGTCTGCACTGGAGCCAGCCACAGCCGGCGGATGCACTGCTG
 GGCAGTTTGTGGGAAAATACTTCCCAGGCATCCTTCTGATCACGGCTCGGACC
 ACAGCTCTGCAGAACCTATTCTTCTTTGGAGCAGGCACGTTGGGTAGAGGTCTGGGG
 TTCTCTGAGTCCAGCAGGAAGGAATATTTCTACAGATATTTACAGATGAAAGGCAAGCA
 ATTAGAGCCTTTAGGTTGGTCAAATCAAACAAAGAGCTCTGGGCCCTGTGTCTTGTGCC
 TGGGTGTCTGGCTGGCCTGCACTTGCCTGATGCAGCAGATGAAGCGGAAGGAAAAACT
 AACTGACTTCCAAGACCACCACAACCCCTGTGTACATTACCTTGCCAGGCTCTCCAA



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GCTCAGCCATTGGGACCCAGCTCAGAGACCTCTGCTCTCTGGCTGCTGAGGGCATCTGG
 CAAAAAAGACCCTTTTAGTCCAGATGACCTCAGGAAGCATGGGTTAGATGGGGCCATC
 ATCTCCACCTTCTGAAGATGGGTATTCTTCAAGAGCACCCCATCCCTCTGAGCTACAGC
 TTCATTACCTCTGTTTCCAAGAGTTCTTTCAGCAATGTCCTATGTCTTGGAGGATGAG
 AAGGGGAGAGGTAACATTCTAATTGCATCATAGATTTGAAAAGACGCTAGAAGCATAT
 GGAATACATGGCCTGTTTGGGGCATCAACCACACGTTTCTATTGGGCCTGTTAAGTGAT
 GAGGGGAGAGAGAGATGGAGAACATCTTCACTGCCGGCTGTCTCAGGGGAGGAACCTG
 ATGCAGTGGGTCCCGTCCCTGCAGCTGCTGCTGCAGCCACTCTCTGGAGTCCCTCCAC
 TGCTTGTACGAGACTCGGAACAAAACGTTCTGCACAAAGTGATGGCCATTTTGAAGAA
 ATGGGCATGTGTGTAGAAAACAGACATGGAGCTCTTAGTGTGCACTTTCTGCATTAATTC
 AGCCGCCACGTGAAGAAGCTTCACTGATTGAGGGCAGGCAGCACAGATCAACATGGAGC
 CCCACCATGGTAGTCTGTTTCAAGTGGTCCCAGTACAGATGCCTATTGGCAGATTCTC
 TTCTCCGTCTCAAGGTCACCAGAAACCTGAAGGAGCTGGACCTAAGTGGAAACTCGCTG
 AGCCACTCTGCAGTGAAGAGTCTTGTAAAGACCCTGAGACGCCCTCGCTGCCTCTGGAG
 ACCCTGCGGTTGGCTGGCTGTGGCCTCACAGCTGAGGACTGCAAGGACCTTGCCCTTGGG
 CTGAGAGCCAACAGACCTGACCGAGCTGGACCTGAGCTTCAATGTGCTCACGGATGCT
 GGAGCCAAACACCTTTGCCAGAGACTGAGACAGCCGAGCTGCAAGCTACAGCGACTGCAG
 CTGGTCAGCTGTGGCCTCACGTCTGACTGCTGCCAGGACCTGGCCTCTGTGCTTAGTGCC
 AGCCCCAGCCTGAAGGAGCTAGACCTGCAGCAGAAACCTGGATGACGTTGGCGTGCGA
 CTGCTCTGTGAGGGGCTCAGGCATCCTGCCTGCAAACTCATACGCTGGGGAAACCAAGT
 GTGATGACCCCTACTGAGGGCCTGGATACGGGAGAGATGAGTAATAGCACATCCTCACTC
 AAGCGGCAGAGACTCGGATCAGAGAGGGCGGCTTCCATGTTGCTCAGGCTAATCTCAA
 CTCTGGACGTGAGCAAGATCTTCCCAATTGCTGAGATTGCAGAGGAAAGCTCCCAGAG
 GTAGTACCGGTGGAACCTTGTGCGTGCCTTCTCCTGCCTCTCAAGGGGACCTGCATACG
 AAGCCTTTGGGGACTGACGATGACTTCTGGGGCCCCACGGGGCCTGTGGCTACTGAGGTA
 GTTGACAAAGAAAAGAACTTGTACCGAGTTCACCTCCCTGTAGCTGGCTCCTACCGCTGG
 CCCAACACGGGTCTCTGCTTTGTGATGAGAGAAGCGGTGACCGTTGAGATTGAATTCTGT
 GTGTGGGACCAGTTCTGGGTGAGATCAACCCACAGCACAGCTGGATGGTGGCAGGGCCT
 CTGCTGGACATCAAGGCTGAGCCTGGAGCTGTGGAAGCTGTGCACCTCCCTCACTTTGTG
 GCTCTCCAAGGGGGCCATGTGGACACATCCCTGTTCCAAATGGCCACTTTAAAGAGGAG
 GGGATGCTCCTGGAGAAGCCAGCCAGGGTGGAGCTGCATACATAGTTCTGGAAAACCC
 AGCTTCTCCCCCTTGGGAGTCTCCTGAAAATGATCCAT AATGCCCTGCGCTTCAATCCC
 GTCACCTCTGTGGTGTGCTTTACCACCGCTCCATCCTGAGGAAGTACCTTCCACCTC
 TACCTGATCCCAAGTGAAGTCTCCATTCCGAAGGAACTGGAGCTCTGCTATCGAAGCCCT
 GGAGAAGACCAGCTGTTCTCGGAGTTCTACGTTGGCCACTTGGGATCAGGGATCAGGCTG
 CAAGTGAAAGACAAGAAAGATGAGACTCTGGTGTGGGAGGCTTGGTGAACACAGGAGAT
 CTCATGCCTGCAACTACTCTGATCCCTCCAGCCGCATAGCCGTACCTTACCTCTGGAT
 GCCCCGACGTTGCTGCACTTTGTGGACAGTATCGAGAGCAGCTGATAGCCCGAGTGACA
 TCGGTGGAGGTTGTCTTGGACAAAAGTGCATGGACAGGTGCTGAGCCAGGAGCAGTACGAG
 AGGGTGTGGCTGAGAACACGAGGCCAGCCAGATGCGGAAGCTGTTGAGCTTGGCCAG
 TCTGGGACCGGAAGTGCAAAGATGGAAGTCTACCAAGCCCTGAAGGAGACCCATCCTCAC
 CTCATTATGGAAGTCTGGGAGAAGGGCAGCAAAAAGGGACTCCTGCCACTCAGCAGCTGA

Restriction Sites:

Please inquire

ACCN:

NM_033007

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:	NM_033007.2 , NP_127500.1
RefSeq Size:	5395 bp
RefSeq ORF:	4200 bp
Locus ID:	22861
UniProt ID:	Q9C000
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 (4) lacks two in-frame exons in the coding region, as compared to variant 1. The encoded isoform 4 is missing two internal segments, as compared to isoform 1.</p>