

Product datasheet for **SC308738**

NALP1 (NLRP1) (NM_033004) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NALP1 (NLRP1) (NM_033004) Human Untagged Clone
Tag:	Tag Free
Symbol:	NALP1
Synonyms:	AIADK; CARD7; CILED; CLR17.1; DEFCAP; DEFCAP-L/S; JRRP; MSPC; NAC; NALP1; PP1044; SLEV1; VAMAS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_033004 edited

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GGTAAGAGCCAAGGCAAAGGACAGCACTGTTCTCTGCCTGCCTGATACCCTCACCACCTG
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C

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033004 unedited
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3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033004 unedited
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 CTTAAAATCCCCAAAAGCCTGGCTTCCAGGGCTTCAATACAAAACCCCTTTCTGG
 GGAAATATTCCCCTTCCCGAAAACAAAACAAAACATGTAAGAACCCCAAAAAATGGGG
 TACCGGGGTGGCTTGAATCCCCAACGGAAATTTTTTTAAATTTTTGGGCTTCAAGG
 AACCT

Restriction Sites:

Please inquire

ACCN:

NM_033004

Insert Size:

4600 bp

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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_033004.2</u> , <u>NP_127497.1</u>
RefSeq Size:	5617 bp
RefSeq ORF:	4422 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 (1) encodes the longest isoform (1).</p>