

## Product datasheet for **SC302688**

### NALP1 (NLRP1) (NM\_001033053) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NALP1 (NLRP1) (NM\_001033053) 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\_001033053, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGGCGGAGCCTGGGGCCGCTGGCCTGTTACTTGGAGTTCCTGAAGAAGGAGGAG
CTGAAGGAGTTCAGCTTCTGCTCGCCAATAAAGCGCACTCCAGGAGCTTTCGGGTGAG
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GCTCAGCCATTGGGACCCAGCTCAGAGACCTCTGCTCTCTGGCTGCTGAGGGCATCTGG  
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 AGCCAGCCGTGGAACCTCAGGTGCAACAGAGACGCCAGGAGATACTAG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001033053

**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>	<a href="#">NM_001033053.1</a> , <a href="#">NP_001028225.1</a>
<b>RefSeq Size:</b>	5280 bp
<b>RefSeq ORF:</b>	5100 bp
<b>Locus ID:</b>	22861
<b>UniProt ID:</b>	<a href="#">Q9C000</a>
<b>Cytogenetics:</b>	17p13.2
<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 (5) has an alternate 3' sequence, as compared to variant 1. The resulting isoform (5) has a distinct and shorter C-terminus, as compared to isoform 1.</p>