

## Product datasheet for **SC309242**

### **NLRP10 (NM\_176821) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NLRP10 (NM_176821) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLRP10
Synonyms:	CLR11.1; NALP10; NOD8; PAN5; PYNOD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >SC309242 representing NM\_176821.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCCATGGCCAAGGCCAGAAAGCCCCGGGAGGCATTGCTCTGGGCCTTGAGTGACCTTGAGGAGAAC
GATTTCAAGAAGTTAAAGTTCTACTTACGGGATATGACCTGTCTGAGGGCCAGCCCCACTGGCCAGA
GGGGAGTTGGAGGGCCTGATCCGGTGGACCTGGCAGAATTAAGTATTTCAAAGTATGGAGAAAAGGAG
GCTGTGAAAGTTGTCTCAAGGGCTTGAAGTCAATGAACCTGTTGGAACCTTGAGGACCAGCTCAGCCAT
ATTTGTCTGCATGATTACAGAGAAGTATACCGAGAGCATGTGCGCTGCCTAGAGGAATGGCAGGAAGCA
GGAGTCAATGGCAGATACAACCAGGTGCTCCTGGTGGCCAAGCCAGCTCAGAGAGCCCAGAATCACTT
GCCTGCCCTTCCCGGAGCAGGAGCTGGAGTCTGTACGGTGGAGGCTCTATTTGATTACAGGGGAAAAG
CCCTCACTGGCCCATCCTTAGTTGTGCTACAGGGGTGGCTGGCACTGGAAAGACAACCTCTGCCAGA
AAAATGGTGTGGACTGGCCACCGTACTCTGTACCCAGGCCGTTTATTGATGCTTTTATGTAAGC
TGCAAAGAAGTGGTCTGCTGCTGGAGAGCAAACCTGGAGCAGCTCCTTTTCTGGTCTGCGGGGACAA
CAAGCCCCTGTACAGAGATTCTGAGGCAGCCAGAGCGGCTCCTGTTATCCTGGATGGCTTTGATGAG
CTGCAGAGGCCCTTTGAAGAAAAGTTGAAGAAGAGGGGTTTGAAGTCCCAAGGAGAGCCTGCTGCACCTT
CTAATTAGGAGACATACACTCCCACGTGCTCCCTTCTCATCACCCCGGCCCTGGCTTTGAGGAAT
CTGGAGCCCTTGCTGAAACAAGCAGTCATGTCCATATCCTAGGCTTCTCTGAGGAGGAGAGGGCGAGG
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ATTCTCTACAAAGCGTGTGAGTTCCAGGCATTGCTGGTGGTCTGCTCCTGGTGCAGGGGCAGATG
GAGAGAGGCAAAGTTGTCTTAGAGACACCTAGAAACAGCACTGACATCTTCATGGCTTACGTCTCCACC
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TTCTACAGCTTCCGCCACATCAGCTTCCAGGACTTTTTTTCATGCCATGTCTTACCTGGTAAAGAGGAC
CAAAGCCGGTGGGAAGGAGTCCCGCAGAGAAGTCAAAGGCTGCTGGAGGTAAGGAGCAGGAAGGG
AATGATGAGATGACCCTCACTATGCAGTTTTTACTGGACATCTCGAAAAAAGACAGCTTCTCGAATTG
GAGCTCAAGTTCTGCTTCAAGATTTCTCCCTGTTAGCGCAGGATCTGAAGCATTTTAAAGAACAGATG
GAATCTATGAAGCACAACAGGACCTGGGATTTGGAATTCTCCCTGTATGAAGCTAAAATAAAGAATCTG
GTAAAAGTATTAGATGAACAATGTATCATTCAAGATAAAACATTCAAATGAAAAGAAATCACAGAGC
CAGAAATTTATTTCTGTCAAAGCAGCTTGGATCATGGACCTAAGGAGGAGCAAAAATGTCTTCTGTC
CATGGACAGAAGGAGGGCAAAGATAATATAGCAGGAACACAAAAGGAAGCTTCTACTGAAAAGGCGAGA
GGGACAGAGGAAACACAAAAAATACTTACATATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTATCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**Plasmid Map:** □

**ACCN:** NM\_176821

**Insert Size:** 1968 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:** 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_176821.3</a>
<b>RefSeq Size:</b>	2020 bp
<b>RefSeq ORF:</b>	1968 bp
<b>Locus ID:</b>	338322
<b>UniProt ID:</b>	<a href="#">Q86W26</a>
<b>Cytogenetics:</b>	11p15.4
<b>MW:</b>	75 kDa
<b>Gene Summary:</b>	Members of the NALP protein family typically contain a NACHT domain, a NACHT-associated domain (NAD), a C-terminal leucine-rich repeat (LRR) region, and an N-terminal pyrin domain (PYD). The protein encoded by this gene belongs to the NALP protein family despite lacking the LRR region. This protein likely plays a regulatory role in the innate immune system. The protein belongs to the signal-induced multiprotein complex, the inflammasome, that activates the pro-inflammatory caspases, caspase-1 and caspase-5. Other experiments indicate that this gene acts as a multifunctional negative regulator of inflammation and apoptosis. [provided by RefSeq, Jul 2008]