

Product datasheet for **SC308273**

NLRP7 (NM_206828) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NLRP7 (NM_206828) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLRP7
Synonyms:	CLR19.4; HYDM; NALP7; NOD12; PAN7; PYPAF3
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_206828, the custom clone sequence may differ by one or more nucleotides

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ATGACATCGCCCCAGCTAGAGTGGACTCTGCAGACCCCTTCTGGAGCAGCTGAACGAGGAT
GAATTAAGAGTTTCAAATCCCTTTTATGGGCTTTTCCCCTCGAAGACGTGCTACAGAAG
ACCCCATGGTCTGAGGTGGAAGAGGCTGATGGCAAGAACTGGCAGAAATTCTGGTCAAC
ACCTCCTCAGAAAATTGGATAAGGAATGCGACTGTGAACATCTTGAAGAGATGAATCTC
ACGGAATTGTGTAAGATGGCAAAGGCTGAGATGATGGAGGACGGACAGGTGCAAGAAATA
GATAATCCTGAGCTGGGAGATGCAGAAGAAGACTCGGAGTTAGCAAAGCCAGGTGAAAAG
GAAGGATGGAGAAATTCATGGAGAAACAGTCTTTGGTCTGGAAGAACACCTTTTGGCAA
GGAGACATTGACAATTTCCATGACGACGCTCACTCTGAGAAACCAACGGTTCATTCCATTC
TTGAATCCGAGAACACCCAGGAAGCTAACACCTTACACGGTGGTCTGCACGGCCCCGCA
GGCGTGGGGAAAACCACGCTGGCCAAAAGTGTATGCTGGACTGGACAGACTGCAACCTC
AGCCCCAGCTCAGATACGCGTTCTACCTCAGCTGCAAGGAGCTCAGCCGCATGGGCCCC
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GAGGACCCGGTCCCCACCTGCCTCACCCGCACGGGGCTGTTCTGCGTTTCTCTGCAGC
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CAGGGCCTGTGGGCGCAGATGTCCGTGTTCCACCGAGAGGACCTGGAAAGGCTCGGGGTG
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AAAGGCTGCTACTCCTTCCATCCACCTCAGCTTCCAGCAGTTTCTACTGCCCTGTCTAC
GCCCTGGAGAAGGAGGAGGGGAGGACAGGGACGGCCACGCCCTGGGACATCGGGGACGTA
CAGAAGCTGCTTTCCGGAGAAGAAAGACTCAAGAACCCCGACCTGATTCAAGTAGGACAC
TTCTTATTCGGCCTCGCTAACGAGAAGAGAGCCAAAGGAGTTGGAGGCCACTTTTGGCTGC
CGGATGTCACCGGACATCAAACAGGAATTGCTGCAATGCAAAGCACATCTTCATGCAAA
AAGCCCTATCCGTGACCGACCTGAAGGAGGTCTTGGGCTGCCTGTATGAGTCTCAGGAG

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GAGGAGCTGGCGAAGGTGGTGGTGGCCCCGTTCAAGGAAATTTCTATTCACCTGACAAAT
 ACTTCTGAAGTGATGCATTGTTCCCTTCAGCCTGAAGCATTGTCAAGACTTGCAGAAACTC
 TCACTGCAGGTAGCAAAGGGGGTTCCTGGAGAATTACATGGATTTTGAAGTGGACATT
 GAATTTGAAAGGTGCACTTACCTAACCTCCGAACTGGGCTCGGCAGGATCTTCGCTCT
 CTTGCGCTCTGGACAGATTTCTGCTCTCTTTCAGCTCAAACAGCAACCTCAAGTTTCTG
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 GAAGCCTGCAGCCTCACAAACCTGGACTTGAGTATCAACCAGATAGCTCGTGGATTGTGG
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 TATGAACTAATTTGGAAATCAAGAAGCTGTTGGAGGAAGTGAAGAAAAGAATCCCAAG
 CTGACTATTGATTGCAATGCTTCCGGGGCAACGGCACCTCCGTGCTGTGACTTTTTTTTGC
 TGA

Restriction Sites:

Please inquire

ACCN:

NM_206828

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:

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_206828.2](#), [NP_996611.2](#)

RefSeq Size:

3245 bp

RefSeq ORF:

2943 bp

Locus ID:

199713

UniProt ID: [Q8WX94](#)

Cytogenetics: 19q13.42

Gene Summary: This gene encodes a member of the NACHT, leucine rich repeat, and PYD containing (NLRP) protein family. It has an N-terminal pyrin domain, followed by a NACHT domain, a NACHT-associated domain (NAD), and a C-terminal leucine-rich repeat (LRR) region. NLRP proteins are implicated in the activation of proinflammatory caspases through multiprotein complexes called inflammasomes. This gene may act as a feedback regulator of caspase-1-dependent interleukin 1-beta secretion. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 3, resulting in a shorter protein (isoform 2), compared to isoform 3.