

Product datasheet for SC323251

NLRP7 (NM_001127255) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NLRP7 (NM_001127255) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLRP7
Synonyms:	CLR19.4; HYDM; NALP7; NOD12; PAN7; PYPAF3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC323251 sequence for NM_001127255 edited (data generated by NextGen Sequencing)

```

ATGACATCGCCCCAGCTAGAGTGGACTCTGCAGACCCCTTCTGGAGCAGCTGAACGAGGATGAATTAAGA
GTTTCAAATCCCTTTTATGGGCTTTTCCCTCGAAGACGTGCTACAGAAGACCCCATGGTCTGAGGTGGA
AGAGGCTGATGGCAAGAACTGGCAGAAATCTGGTCAACACCTCCTCAGAAAATTGATAAGGAATGCG
ACTGTGAACATCTTGAAGAGATGAATCTCACGGAATTGTGAAGATGGCAAAGGCTGAGATGATGGAGG
ACGGACAGGTGCAAGAAATAGATAATCCTGAGCTGGGAGATGCAGAAGAAGACTCGGAGTTAGCAAAGCC
AGGTGAAAAGGAAGGATGGAGAAATCAATGGAGAAACAATCTTTGGTCTGGAAGAACACCTTTTGCAA
GGAGACATTGACAATTTCCATGACGACGTCACCTGAGAAAACCAACGGTTCATTCCATTCTGAATCCCA
GAACACCCAGGAAGCTAACACCTTACACGGTGGTCTGCACGGCCCCGCAGGCGTGGGAAAACACGCT
GGCCAAAAGTGTATGCTGGACTGGACAGACTGCAACCTCAGCCCCGACGCTCAGATACGCGTTTACCTC
AGCTGCAAGGAGCTCAGCCGCATGGGCCCTGCAGTTTTGCAGAGCTGATCTCAAAGACTGGCCTGAAT
TGCAGGATGACATTCCAAGCATCTAGCCCAAGCACAGAGAATCTGTTTCGTGGTTCGATGGCCTTGATGA
GCTGAAAGTCCCACCTGGGGCGCTGATCCAGGACATCTGCGGGGACTGGGAGAAGAAGAAGCCGGTGCC
GTCCTCCTGGGGAGTTTGTGAAGAGGAAGATGTTACCCAGGGCAGCCTTGTGTCACCACGCGGCCCA
GGGCACTGAGGGACCTCCGGATCCTGGCGCAGCAGCCGATCTACGTAAGGGTGGAGGGCTTCTGGAGGA
GGACAGGAGGGCCTATTTCTGAGACACTTTGGAGACGAGGACCAAGCCATGCGTGCCTTTGAGCTAATG
AGGAGCAACGCGCCCTGTTCCAGCTGGGCTCGGCCCCCGCGGTGTGCTGGATTGTGTGCACGACTCTGA
AGCTGCAGATGGAGAAGGGGGAGGACCCGGTCCCCACCTGCCTCACCCGCACGGGGCTGTTCTGCGTTT
CCTCTGCAGCCGTTCCCGCAGGGCGCACAGCTGCGGGGCGCGCTGCGGACGCTGAGCCTCCTGGCCGCG
CAGGGCCTGTGGGCGCAGATGTCCTGTTCCACCGAGAGGACCTGGAAAGGCTCGGGGTGCAGGAGTCCG
ACCTCCGCTGTTCTGGACGGAGACATCTCCGCCAGGACAGAGTCTCAAAGGCTGCTACTCCTTCAT
CCACCTCAGTTCAGCAGTTTCTCACTGCCCTGTTCTACACCCTGGAGAAGGAGGAGGGGGAGGACAGG
GACGGCCACGCCGTTGGGACATCGGGGACGTACAGAAGCTGCTTCCGGAGAAGAAAGACTCAAGAACCCCG
ACCTGATTCAAGTAGGACTTCTTATTGGCCTCGCTAACGAGAAGAGACCAAGGAGTTGGAGGCCAC

```



[View online »](#)

```

TTTTGGCTGCCGGATGTCACCGGACATCAAACAGGAATTGCTGCAATGCAAAGCACATCTTCATGCAAAT
AAGCCCTATCCGTGACCGACCTGAAGGAGGTCTTGGGCTGCCTGTATGAGTCTCAGGAGGAGGAGCTGG
CGAAGGTGGTGGTGGCCCCGTTCAAGGAAATTTCTATTACCTGACAAATACTTCTGAAGTGATGCATTG
TTCCTTCAGCCTGAAGCATTGTCAAGACTTGCAGAAACTCTACTGCAGGTAGCAAAGGGGGTGTTCCTG
GAGAATTACATGGATTTGAACTGGACATTGAATTTGAAAGGTGCACTTACCTAACCATCCGAAGTGGG
CTCGGCAGGATCTCGCTCTCTTCGCCTCTGGACAGATTTCTGCTCTCTTTCAGCTCAAACAGCAACT
CAAGTTTCTGGAAGTAAACAAAGCTTCTGAGTGACTTCTGTGCGGATTCTTTGTGACCACGTAACC
CGTAGCACCTGTATCTGCAGAAAGTGGAGATTAACAAACGTCACCCTGACACCGCGTACCGGGACTTCT
GTCTTGCTTTCATTGGGAAGAAGACCCTCACGCACCTGACCCTGGCAGGGCACATCGAGTGGGAACGCAC
GATGATGCTGATGCTGTGTGACCTGCTCAGAAATCATAAATGCAACCTGCAGTACCTGAGGTTGGGAGGT
CACTGTGCCACCCCGGAGCAGTGGGCTGAATTCTTCTATGTCTCAAAGCCAACCACTGAGTCCCTGAAGCACC
TGCGTCTCTCAGCCAATGTGCTCCTGGATGAGGGTGCCATGTTGCTGTACAAGACCATGACACGCCCAAA
ACACTTCTGCAGATGTTGCTGTTGAAAAGTGTGCTTACAGAAGCCAGTTGCAAGGACCTTGCTGCT
GTCTTGGTTGTCAGCAAGAAGCTGACACACCTGTGCTTGGCCAAGAACCATTGGGGATACAGGGGTGA
AGTTTCTGTGTGAGGGCTTGAGTTACCCTGATTGTAACCTGCAGACCTTGGTGTACAGCAATGCAGCAT
AACCAAGCTTGGCTGTAGATACCTCTCAGAGGCGCTCAAAGAAGCTGCAGCCTCACAAACTGGACTTG
AGTATCAACCAGATAGCTCGTGGATTGTGGATTCTCTGTGAGGCGTTAGAGAATCCAAACTGTAACCTAA
AACACCTACGCTCTGGAGCTGCTCCCTCATGCCTTTCTATTGTGAGCATCTTGGATCTGCTCTCCTCAG
CAATCAGAAGCTTGAAGCTGACCTGGGACCTGGGCCAGAATCATTTGTGGAAGAGTGGCATAATTAAGCTTTT
GGGTTTCAAGACAAAGAAGCTGGATCCTTGAAGATACTCAGGTTGAAGACCTATGAAACTAATTTGGAAA
TCAAGAAGCTGTTGGAGGAAGTGAAGAAAAGAATCCCAAGCTGACTATTGATTGCAATGCTTCCGGGGC
AACGGCACCTCCGTGCTGTGACTTTTTTTGCTGA
    
```

Clone variation with respect to NM_001127255.1

390:a=>g 929:g=>a 931:a=>c 1441:a=>g 2682:c=>t 2775:g=>a

Restriction Sites:

Please inquire

ACCN:

NM_001127255

Insert Size:

3200 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 ORF of this clone has been fully sequenced and found to contain 3 SNPs compared with NM_001127255.1.

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_001127255.1](#), [NP_001120727.1](#)

RefSeq Size: 3421 bp

RefSeq ORF: 3114 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 (3) represents the longest transcript and encodes the longest isoform (3).