

Product datasheet for **SC208103**

NLRP3 (NM_004895) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: NLRP3 (NM_004895) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: NLRP3
Synonyms: AGTAVPRL; AII; AVP; C1orf7; CIAS1; CLR1.1; DFNA34; FCAS; FCAS1; FCU; KEFH; MWS; NALP3; PYPAF1
ACCN: NM_004895
Insert Size: 343 bp
Insert Sequence: >SC208103 3'UTR clone of NM_004895
The sequence shown below is from the reference sequence of NM_004895. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGGATCGCC
CTGACCGTCGTCTTTGAGCCTTCTTGGTAGGAGTGGAAACGGGGCTGCCAGACGCCAGTGTCTCCGGT
CCCTCCAGCTGGGGGCCCTCAGGTGGAGAGAGCTGCGATCCATCCAGCCAAGACCACAGCTCTGTGAT
CCTTCCGGTGGAGTGTGCGAGAAGAGAGCTTGCCGACGATGCCTTCTGTGCAGAGCTTGGGCATCTCC
TTACGCCAGGGTGAGGAAGACACCAGGACAATGACAGCATCGGGTGTGTTGTGCATCACAGCCGCTCA
GTTAGAGGATGTTCTCTTGGTGACCTCATGTAATTAGCTCATTCAATAAAGCACTTTCTTTATTTT
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_004895.5](#)



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Summary:

This gene encodes a pyrin-like protein containing a pyrin domain, a nucleotide-binding site (NBS) domain, and a leucine-rich repeat (LRR) motif. This protein interacts with the apoptosis-associated speck-like protein PYCARD/ASC, which contains a caspase recruitment domain, and is a member of the NLRP3 inflammasome complex. This complex functions as an upstream activator of NF-kappaB signaling, and it plays a role in the regulation of inflammation, the immune response, and apoptosis. The SARS-CoV 3a protein, a transmembrane pore-forming viroporin, has been shown to activate the NLRP3 inflammasome via the formation of ion channels in macrophages. Mutations in this gene are associated with familial cold autoinflammatory syndrome (FCAS), Muckle-Wells syndrome (MWS), chronic infantile neurological cutaneous and articular (CINCA) syndrome, neonatal-onset multisystem inflammatory disease (NOMID), keratoendotheliitis fugax hereditaria, and deafness, autosomal dominant 34, with or without inflammation. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. Alternative 5' UTR structures are suggested by available data; however, insufficient evidence is available to determine if all of the represented 5' UTR splice patterns are biologically valid. [provided by RefSeq, Aug 2020]

Locus ID:

114548

MW:

12.3