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Product datasheet for SC208105

NLRP3 (NM_001127461) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: NLRP3 (NM_001127461) 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_001127461

Insert Size: 343 bp

Insert Sequence:

>SC208105 3'UTR clone of NM_001127461
The sequence shown below is from the reference sequence of NM_001127461. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGACCGTCGTCTTTGAGCCTTCTTGGTAGGAGTGGAAACGGGGCTGCCAGACGCCAGTGTTCTCCGGT
CCCTCCAGCTGGGGGCCCTCAGGTGGAGAGAGCTGCGATCCATCCAGGCCAAGACCACAGCTCTGTGAT
CCTTCCGGTGGAGTGTCGGAGAAGAGAGCTTGCCGACGATGCCTTCCTGTGCAGAGCTTGGGCATCTCC
TTTACGCCAGGGTGAGGAAGACACCAGGACAATGACAGCATCGGGTGTTGTTGTCATCACAGCGCCTCA
GTTAGAGGATGTTCCTCTTGGTGACCTCATGTAATTAGCTCATTCAATAAAGCACTTTCTTTATTTT
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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_001127461.3

View online »

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 hereditarian, 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