

Product datasheet for **SC307068**

NLRP8 (NM_176811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NLRP8 (NM_176811) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLRP8
Synonyms:	CLR19.2; NALP8; NOD16; PAN4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307068 representing NM_176811. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAGTGACGTGAATCCACCCTCTGACACCCCCATTCCCTTTTCATCCTCCTCCACTCACAGTTCTCAT
ATTCCGCCCTGGACATTCTTTGCTACCCCGGCTCCCCATGTGAAAATGGGGTCATGCTGTACATGAGA
AACGTGAGCCATGAGGAGCTACAACGGTTCAAGCAGCTCTTACTGACTGAGCTCAGTACTGGCACCATG
CCCATCACCTGGGACCAGGTCGAGACAGCCAGCTGGGCAGAGGTGGTTCATCTCTTGATAGAGCGTTTC
CCTGGACGACGCGCTTGGGATGTGACTTCAACATCTTTGCCATTATGAACTGTGATAAAATGTGTGT
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CAGGTGAATCTGGAGGAAGGAGAATCTGGTAAAATACGGCGGTATAAATCGAATGTGATGGAAAAGTTT
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CTCGTGACTTTTCAGGAATTTTTGCGGCCTGTTTTATGTTCTCTGTTCCACAAAGACTCAAAAAT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_176811
- Insert Size:** 3147 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.
- 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_176811.2](#)

RefSeq Size: 3934 bp

RefSeq ORF: 3147 bp

Locus ID: 126205

UniProt ID: [Q86W28](#)

Cytogenetics: 19q13.43

MW: 119.4 kDa

Gene Summary: This gene encodes a member of the nucleotide-binding oligomerization domain/ leucine rich repeat/ pyrin domain containing (NLRP) subfamily, which belongs to the Nod-like receptor family of proteins. NLRP genes play roles in the mammalian innate immune system through inflammasome formation and activation of caspases. In addition, NLRP genes have been found to function during mammalian reproduction. Consistent with a function during human preimplantation development, this gene is expressed at high levels in oocytes with decreased levels in embryos. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2016]

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).