

Product datasheet for **SC337692**

NLRP11 (NM_001297743) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NLRP11 (NM_001297743) Human Untagged Clone
Tag:	Tag Free
Symbol:	NLRP11
Synonyms:	CLR19.6; NALP11; NOD17; PAN10; PYPAF6; PYPAF7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001297743, the custom clone sequence may differ by one or more nucleotides

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ATGAGGAGAAAAATTCATGCTGCAATGGGAAAGTCACACTTTTGGAAAATTCATTATAAATTTTTTCGTG
ACGTTTCGTGATGTGTTCTACATACTCAATTAGCCTATGATTCTACCAGCTATTATTCAGCAAAACAA
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TATCCAGCAATCCGCTGAGGAGCGACGGGATGAACATACTGTGTGATGCCTTGCTTCATCCCACTGCAC
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CAAAACACTAGAAAGACTCAACTTGCTTCAAAATCACTTGGGCAATGATGGAGTTGCAAACTTCTTGAG
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TTTGA
    
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Restriction Sites: SgfI-MluI
ACCN: NM_001297743

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).
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:	<u>NM_001297743.1, NP_001284672.1</u>
RefSeq Size:	3209 bp
RefSeq ORF:	2805 bp
Locus ID:	204801
UniProt ID:	<u>P59045</u>
Cytogenetics:	19q13.42-q13.43
Protein Families:	Druggable Genome
Gene Summary:	This gene is a member of the the NOD-like receptor protein (NLRP) gene family and encodes a protein with an N-terminal pyrin death (PYD) domain and nucleoside triphosphate hydrolase (NACHT) domain and a C-terminal leucine-rich repeats (LRR) region. This gene has been shown to regulate caspases in the proinflammatory signal transduction pathway and, based on studies of other members of the NLRP gene family with similar domain structure, is predicted to form part of the multiprotein inflammasome complex. Alternative splicing produces multiple transcript variants encoding distince isoforms. [provided by RefSeq, May 2017] Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. It encodes isoform 2, which has a shorter N-terminus, compared to isoform 1.