

## Product datasheet for RC226306

### NLRP7 (NM\_001127255) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NLRP7 (NM_001127255) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NLRP7
Synonyms:	CLR19.4; HYDM; NALP7; NOD12; PAN7; PYPAF3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC226306 representing NM_001127255 Red=Cloning site Blue=ORF Green=Tags(s)

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**Protein Sequence:**

>RC226306 representing NM\_001127255  
 Red=Cloning site Green=Tags(s)

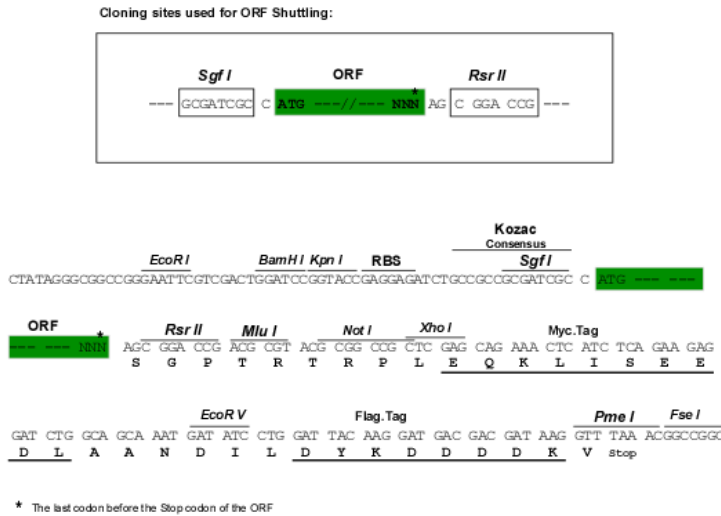
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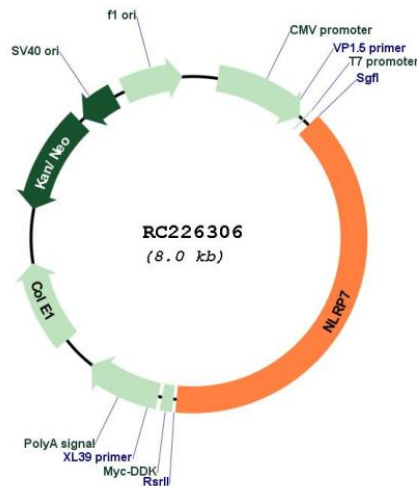
**Restriction Sites:**

Sgfl-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001127255

ORF Size: 3111 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001127255.1</a></u> , <u><a href="#">NP_001120727.1</a></u>
<b>RefSeq ORF:</b>	3114 bp
<b>Locus ID:</b>	199713
<b>UniProt ID:</b>	<u><a href="#">Q8WX94</a></u>
<b>Cytogenetics:</b>	19q13.42
<b>MW:</b>	118.1 kDa
<b>Gene Summary:</b>	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]