

Product datasheet for RC215117L4

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OriGene Technologies, Inc.

NLRP7 (NM_139176) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NLRP7 (NM_139176) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: NLRP7

Synonyms: CLR19.4; HYDM; NALP7; NOD12; PAN7; PYPAF3

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

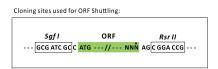
E. coli Selection: Chloramphenicol (34 ug/mL)

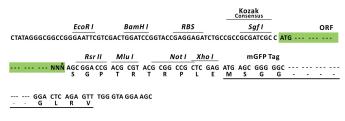
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC215117).

Sequence:

Restriction Sites: Sgfl-Rsrll

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_139176

ORF Size: 3027 bp





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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

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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 139176.2</u>, <u>NP 631915.2</u>

 RefSeq Size:
 3331 bp

 RefSeq ORF:
 3030 bp

 Locus ID:
 199713

 UniProt ID:
 Q8WX94

 Cytogenetics:
 19q13.42

MW: 114.7 kDa

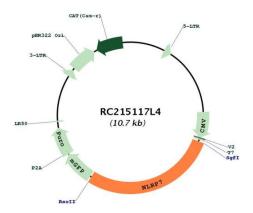
Gene Summary: This gene encodes a member of the NACHT, leucine rich repeat, and PYD containing (NLRP)

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]



Product images:



Circular map for RC215117L4