

Product datasheet for RC207991L2

OriGene Technologies, Inc.

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NALP4 (NLRP4) (NM_134444) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NALP4 (NLRP4) (NM_134444) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: NALP4

Synonyms: CLR19.5; CT58; NALP4; PAN2; PYPAF4; RNH2

Mammalian Cell None

Selection:

Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

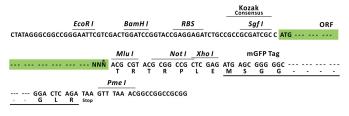
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC207991).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





st The last codon before the Stop codon of the ORF.

ACCN: NM_134444

ORF Size: 2982 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 134444.3</u>

 RefSeq Size:
 3339 bp

 RefSeq ORF:
 2985 bp

 Locus ID:
 147945

 UniProt ID:
 Q96MN2

 Cytogenetics:
 19q13.43

MW: 113.2 kDa

Gene Summary: The protein encoded by this gene is a member of the nucleotide-binding and leucine-rich

repeat receptor (NLR) family, and is predicted to contain an N-terminal pyrin effector domain (PYD), a centrally-located nucleotide-binding and oligomerization domain (NACHT) and C-terminal leucine-rich repeats (LRR). This gene product has a demonstrated role as a negative

regulator of autophagy and type I interferon signaling pathways as a result of protein

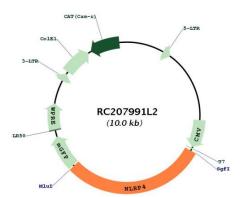
interactions with its NACHT domain. The PYD domain has also been shown to be important in

the inhibition of NF-kB (nuclear factor kappa-light-chain-enhancer of activated B cells).

[provided by RefSeq, Dec 2016]



Product images:



Circular map for RC207991L2