

Product datasheet for RC216538L3

OriGene Technologies, Inc.

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NALP1 (NLRP1) (NM_014922) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NALP1 (NLRP1) (NM_014922) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: NALP1

Synonyms: AIADK; CARD7; CIDED; CLR17.1; DEFCAP; DEFCAP-L/S; JRRP; MSPC; NAC; NALP1; PP1044;

SLEV1; VAMAS1

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

ORF Nucleotide

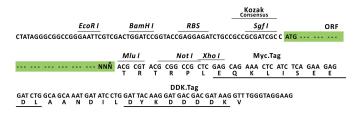
The ORF insert of this clone is exactly the same as(RC216538).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_014922 **ORF Size:** 4287 bp





NALP1 (NLRP1) (NM_014922) Human Tagged Lenti ORF Clone - RC216538L3

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 014922.4</u>

 RefSeq Size:
 5491 bp

 RefSeq ORF:
 4290 bp

 Locus ID:
 22861

 UniProt ID:
 Q9C000

Cytogenetics:

Domains: LRR, LRR RI, PAAD DAPIN

Protein Families: Druggable Genome

Protein Pathways: NOD-like receptor signaling pathway

17p13.2

MW: 160.9 kDa

Gene Summary: This gene encodes a member of the Ced-4 family of apoptosis proteins. Ced-family members

contain a caspase recruitment domain (CARD) and are known to be key mediators of

programmed cell death. The encoded protein contains a distinct N-terminal pyrin-like motif, which is possibly involved in protein-protein interactions. This protein interacts strongly with caspase 2 and weakly with caspase 9. Overexpression of this gene was demonstrated to induce apoptosis in cells. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene, but the biological validity of some variants has not

been determined. [provided by RefSeq, Jul 2008]