

Product datasheet for RC206757L3

OriGene Technologies, Inc.

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CARD12 (NLRC4) (NM_021209) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CARD12 (NLRC4) (NM_021209) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: CARD12

Synonyms: AIFEC; CARD12; CLAN; CLAN1; CLANA; CLANB; CLANC; CLAND; CLR2.1; FCAS4; IPAF

Mammalian Cell Puromycin

Selection:

Vector:

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

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

ORF Nucleotide The ORF insert of this clo

Sequence:

The ORF insert of this clone is exactly the same as(RC206757).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_021209

ORF Size: 3072 bp





CARD12 (NLRC4) (NM_021209) Human Tagged Lenti ORF Clone - RC206757L3

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 021209.3</u>

 RefSeq Size:
 3385 bp

 RefSeq ORF:
 3075 bp

 Locus ID:
 58484

 UniProt ID:
 Q9NPP4

Domains: LRR

Cytogenetics:

Protein Pathways: NOD-like receptor signaling pathway

2p22.3

MW: 116.2 kDa

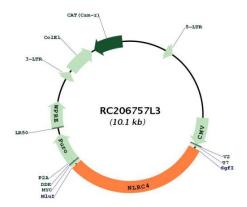
Gene Summary: This gene encodes a member of the caspase recruitment domain-containing NLR family.

Family members play essential roles in innate immune response to a wide range of pathogenic organisms, tissue damage and other cellular stresses. Mutations in this gene result in autoinflammation with infantile enterocolitis. Alternative splicing results in multiple

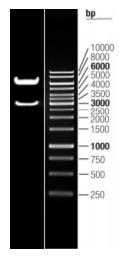
transcript variants. [provided by RefSeq, Oct 2014]



Product images:



Circular map for RC206757L3



Double digestion of RC206757L3 using Sgfl and Mlul $\,$