

Product datasheet for **RG237710**

CARD12 (NLRC4) (NM_001302504) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CARD12 (NLRC4) (NM_001302504) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CARD12
Synonyms:	AIFEC; CARD12; CLAN; CLAN1; CLANA; CLANB; CLANC; CLAND; CLR2.1; FCAS4; IPAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237710 representing NM_001302504. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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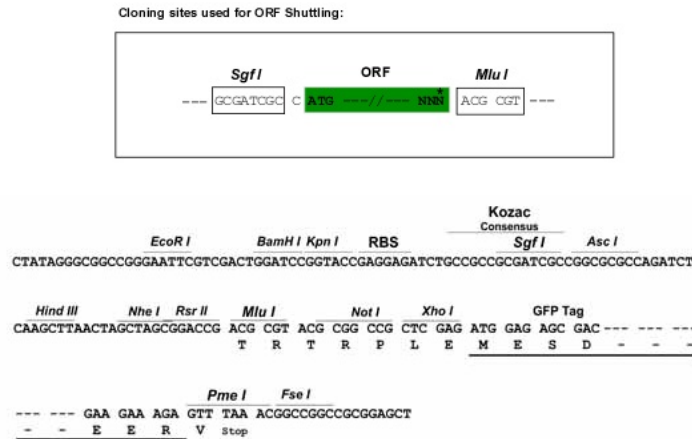
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237710
 Blue=ORF Red=Cloning site Green=Tag(s)

MNFIKDNSRALIQRMGMTVIKQITDDLFWNVLNREEVNIICCEKVEQDAARGIIHMILKKGSESCNLF
 LKSLKEWNYPLFQDLNGQSLTDSLGNLKNLTKLIMDNIKMNEEDAIKLAEGLKNLKKMCLFHLTHLSD
 IGEGMDYIVKSLSSEPCDLEEIQLVSCLSANAVKILAQNHLNKLVLKILDLSENYLEKDGNEALHEL I
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 DLSVITGAFKLVTA
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001302504

ORF Size: 1077 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](#)

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).

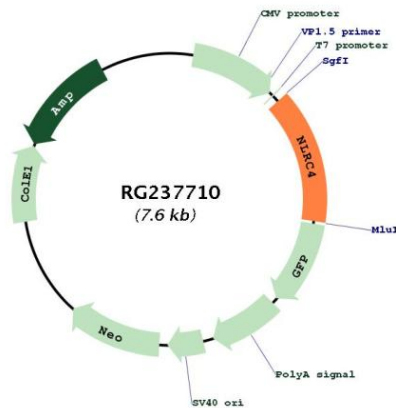
RefSeq: [NM_001302504.1](#), [NP_001289433.1](#)

RefSeq Size: 1390 bp

RefSeq ORF: 1080 bp
 Locus ID: 58484
 UniProt ID: [Q9NPP4](#)
 Cytogenetics: 2p22.3
 Protein Pathways: NOD-like receptor signaling pathway
 MW: 41.1 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 RG237710