

Product datasheet for **RG210848**

CARD6 (NM_032587) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CARD6 (NM_032587) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CARD6
Synonyms:	CINCIN1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210848 representing NM_032587 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

ATGGCTACCGAGAGTACTCCCTCAGAGATCATAGAAAGAGAAAGAAAAAGTTGCTTGAATCCTTCAAC
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ACCTGTCAGCATTTTCTCAAGTGTATTTAGTACTTTTCCACAGTCAGCTGCCATTTGCGGCTTAAGGC
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AAAAGCAGGGCAGAAGAGGGGAGGGAAGCAT
    
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ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG210848 representing NM_032587
 Red=Cloning site Green=Tags(s)

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MATESTPSEIIERERKLLLEILQHDPDSILDITLSRRLISEEYETLENVTDLLKSRKLLILVQKKGEA
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DLETSEFFRDKTSYRETALSARKNEKEYDTPEVTLSSVEKVGCEVPATITYIKDGQRYEELDDSLYLG
KEEYLGSVDPEDAATVEEEVYDDPEHVGVDGEEDFENSETTEFSGEEPSYEGSETSLSEEEQEKISIE
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DEDSKEDLLAGVENLEIRDIQTINPLDVL CATMLCSDSSLQRQVMSNMYQCQFALPLLLPDAENNKSI
LMLGAMKDIVKKQSTQFSGGPTEDTEKFL TLMKMPVISFVRLGYCSFSKSRILNLTLLSPAQLKHKIFLHQD
LPLLVLPRQISDGLVEITWCFPDSDDRKENPFFQKPVALANLRGNLESFWTQFGFLMEVSSAVFFF TDCL
GEKEWDLMLFLGEAAIERCYFVLLSSQARESEEAQIFQRILNLPKPAQLLFWERGDAGDRRKNMEGLQALQ
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FQNAGAQRGRKSFQIFYSGERFMKFSRVARGCHSNGTFGRLLPRPICQHVQACPERPQMMGTLE
RSRAVASKIGHYSYSLDSQPARAVGKWPWPQACTRVTEL TEATGKLIRTSHIGKPHQSFQPAATQKLRP
ASQQGVQMKTQGGASNPALQIGSHPMCKSSQFKSDQSNPSTVKHSQPKPFHVSVPKSSQTKSCQSQPS
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TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_032587

ORF Size: 3111 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).

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.

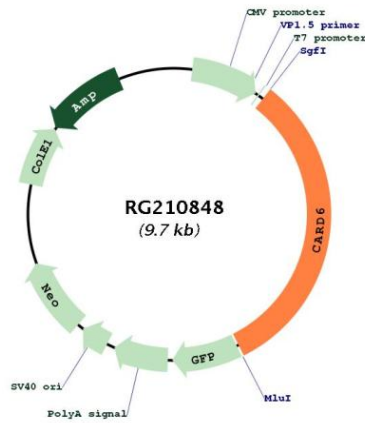
RefSeq: [NM_032587.4](#)

RefSeq Size: 4097 bp

RefSeq ORF: 3114 bp

Locus ID: 84674
UniProt ID: [Q9BX69](#)
Cytogenetics: 5p13.1
Protein Families: Druggable Genome
Protein Pathways: NOD-like receptor signaling pathway
Gene Summary: This gene encodes a protein that contains a caspase recruitment domain (CARD), an antiparallel six-helical bundle that mediates homotypic protein-protein interactions. The encoded protein is a microtubule-associated protein that has been shown to interact with receptor-interacting protein kinases and positively modulate signal transduction pathways converging on activation of the inducible transcription factor NF- κ B. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG210848