

## Product datasheet for **RC215750L2V**

### **CARD15 (NOD2) (NM\_022162) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	CARD15 (NOD2) (NM_022162) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CARD15
Synonyms:	ACUG; BLAU; BLAUS; CARD15; CD; CLR16.3; IBD1; NLRC2; NOD2B; PSORAS1; YAOS
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_022162
ORF Size:	3120 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215750).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_022162.1</a>
RefSeq Size:	4485 bp
RefSeq ORF:	3123 bp
Locus ID:	64127
UniProt ID:	<a href="#">Q9HC29</a>
Cytogenetics:	16q12.1
Protein Families:	Druggable Genome
Protein Pathways:	NOD-like receptor signaling pathway



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**MW:** 115.1 kDa

**Gene Summary:** This gene is a member of the Nod1/Apaf-1 family and encodes a protein with two caspase recruitment (CARD) domains and six leucine-rich repeats (LRRs). The protein is primarily expressed in the peripheral blood leukocytes. It plays a role in the immune response to intracellular bacterial lipopolysaccharides (LPS) by recognizing the muramyl dipeptide (MDP) derived from them and activating the NF $\kappa$ B protein. Mutations in this gene have been associated with Crohn disease and Blau syndrome. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jun 2014]