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Product datasheet for RC211512L4V

CARD8 (NM_014959) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	CARD8 (NM_014959) Human Tagged ORF Clone Lentiviral Particle
Symbol:	CARD8
Synonyms:	CARDINAL; DACAR; DAKAR; NDPP; NDPP1; TUCAN
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_014959
ORF Size:	1461 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC211512).`
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.
RefSeq:	NM_014959.3
RefSeq Size:	5059 bp
RefSeq ORF:	1464 bp
Locus ID:	22900
UniProt ID:	Q9Y2G2
Cytogenetics:	19q13.33
Domains:	CARD
Protein Families:	Druggable Genome

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Protein Pathways: NOD-like receptor signaling pathway

MW: 55.11 kDa

Gene Summary: The protein encoded by this gene belongs to the caspase recruitment domain (CARD)-containing family of proteins, which are involved in pathways leading to activation of caspases or nuclear factor kappa-B (NFKB). This protein may be a component of the inflammasome, a protein complex that plays a role in the activation of proinflammatory caspases. It is thought that this protein acts as an adaptor molecule that negatively regulates NFKB activation, CASP1-dependent IL1B secretion, and apoptosis. Polymorphisms in this gene may be associated with a susceptibility to rheumatoid arthritis. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, May 2010]