

Recombinant Full Length Human CARD9 Protein, C-Flag-tagged

Cat. No. CARD9-276HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CARD9 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a member of the CARD protein family, which is defined by the presence of a characteristic caspase-associated recruitment domain (CARD). CARD is a protein interaction domain known to participate in activation or suppression of CARD containing members of the caspase family, and thus plays an important regulatory role in cell apoptosis. This protein was identified by its selective association with the CARD domain of BCL10, a positive regulator of apoptosis and NF-kappaB activation, and is thought to function as a molecular scaffold for the assembly of a BCL10 signaling complex that activates NF-kappaB. Several alternatively spliced transcript variants have been observed, but their full-length nature is not clearly defined.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	62.1 kDa
AA Sequence	MSDYENDDECWNVLEGFRVTLTSVIDPSRITPYLRQCKVLNPDDEEQVLSDPNLVIR KRKVGVLDDILQR TGHKGYVAFLESLELYYPQLYKKVTGKEPARVFSMIIDASGESG

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LTQLLMTEVMKLQKKVQDLTALLSSK DDFIKELRVKDSLRLKHQERVQRLKEECEAG
 SRELKRCKEENYDLAMRLAHQSEEKGAALMRNRDLQLEI DQLKHSLMKAEDDCKV
 ERKHTLKL RHAMEQRPSQELLWELQQEKALLQARVQELEASVQEGKLD RSPYI Q
 VLEEDWRQALRDHQEQANTIFSLRKDLRQGEARRLRCMEEKEMFELQCLALRKDS
 KMYKDRIEAILQM EEVAIERDQAIATREELHAQHARGLQEKDALRKQVRELGEKAD
 ELQLQVFQCEAQLLAVEGRLRRQQLT LVLSSDLEDGSPRRSQELSLPQDLEDTQL
 SDKGCLAGGGSPKQPF AALHQEQVLRNPHDAGLSSGEPPEK
 ERRRLKESFENYRRKRALRKMQKGWRQGEEDRENTTGSDNTDTEGSTRRLEQKLI
 SEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	NOD-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

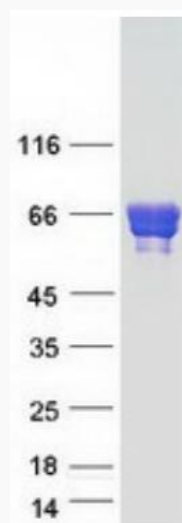
Gene Name [CARD9 caspase recruitment domain family member 9 \[Homo sapiens \(human\) \]](#)

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Official Symbol	CARD9
Synonyms	CANDF2; IMD103; hCARD9
Gene ID	64170
mRNA Refseq	NM_052813.5
Protein Refseq	NP_434700.2
MIM	607212
UniProt ID	Q9H257



Coomassie blue staining of purified CARD9 protein.