

Recombinant Human CARD11 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CARD11-6717H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CARD11 MS Standard C13 and N15-labeled recombinant protein (NP_115791) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene belongs to the membrane-associated guanylate kinase (MAGUK) family, a class of proteins that functions as molecular scaffolds for the assembly of multiprotein complexes at specialized regions of the plasma membrane. This protein is also a member of the CARD protein family, which is defined by carrying a characteristic caspase-associated recruitment domain (CARD). This protein has a domain structure similar to that of CARD14 protein. The CARD domains of both proteins have been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-kappaB activation. When expressed in cells, this protein activated NF-kappaB and induced the phosphorylation of BCL10.
Molecular Mass	133.3 kDa
AA Sequence	Tag(s)MPGGGPEMDDYMETLKDEEDALWENVECNRHMLSRYPINPAKLTPYLRQCKV IDEQDEDEVLNAPMLPSKINRAGRLLDILHTKGQRGYVVFLESLEFYYPELYKLVTGK EPTRRFSTIVVEEGHEGLTHFLMNEVIKLQQQMKAKDLQRCELLARLRQLEDEKKQ

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MTLTRVELLTFQERYYYKMKEERDSYNDELVKVKDDNYNLAMRYAQLSEEKNMAVM
 RSRDLQLEIDQLKHLNKMEEECKLERNQSLKLNNDIENRPKKEQVLELERENEMLK
 TKNQELQSIIQAGKRSLPDSKAILDILEHDRKEALEDQRQELVNRIYNLQEEARQAEEL
 RDKYLEEKEDLELKCSTLGKDCEMYKHRMNTVMLQLEEVERERDQAFHSRDEAQT
 QYSQCLIEKDKYRKQIRELEEKNDDEMRIEMVRREACIVNLESKLRRLSKDSNNLDQS
 LPRNLPVTIISQDFGDASPRTNQGEADDSSTSEESPEDSKYFLPYHPPQRRMNLKGI
 QLQRAKSPISLKRTSDFQAKGHEEEGTDASPSSCGSLPITNSFTKMQPPRSRSSIMS
 ITAEPGNDISVRRYKEDAPHRSTVEEDNDSGGFDALDLDSSHERYSFGPSSIHSS
 SSSHQSEGLDAYDLEQVNLNMFVKFSLERPFRPSVTSVGHVRGPGPSVQHTTLNGD
 SLTSQTLTLLGGNARGSFVHSVKGPSLAELAGLREGHQLLLLEG CIRGERQSVPLDTC
 TKEEAHWTIQRCSGPVTLHYKVNHEGYRKLVKDMEDGLITSGDSFYIRLNLNISSQL
 DACTMSLKCDVHVHVRDTMYQDRHEWLCARVDPFTDHDLDMG TIPSYSRAQQLLL
 VKLQRLMHRGSREEVDGTHHTLRALRNTLQPEEALSTSDPRVSPRLSRASFLFGQL
 LQFVSRSENKYKRMNSNERVRIISGSPGLSLARSSLDATKLLTEKQEELDPESELGK
 NLSLIPYSLVRAFYCERRRPVLTPTVLAKTLVQRLNLSGGAMEFTICKSDIVTRDEFL
 RRQKTETIISREKNPNAFECIAPANIEA VAAKNKHCLLEAGIGCTRD LIKSNIYPIVFI
 RVCEKNIKRFRKLLPRPETEEEEFLRVCRLKEKELEALPCLYATVEPDMWGSVEELLR
 VVKDKIGEEQRKTIWVDEDQLSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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GENE INFORMATION

Gene Name CARD11 caspase recruitment domain family member 11 [Homo sapiens (human)]

Official Symbol CARD11

Synonyms CARD11; caspase recruitment domain family, member 11; caspase recruitment domain-containing protein 11; bcl10 interacting maguk protein 3; BIMP3; card maguk protein 1; CARMA1; carma 1; card-maguk protein 1; CARD-containing MAGUK protein 1; bcl10-interacting maguk protein 3; MGC133069;

Gene ID 84433

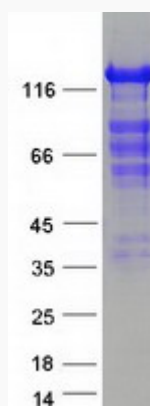
mRNA Refseq NM_032415

Protein Refseq NP_115791

MIM 607210

UniProt ID Q9BXL7

SDS-PAGE



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