

Recombinant Human CARD14 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CARD14-289H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CARD14 MS Standard C13 and N15-labeled recombinant protein (NP_077015) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a caspase recruitment domain-containing protein that is a member of the membrane-associated guanylate kinase (MAGUK) family of proteins. Members of this protein family are scaffold proteins that are involved in a diverse array of cellular processes including cellular adhesion, signal transduction and cell polarity control. This protein has been shown to specifically interact with BCL10, a protein known to function as a positive regulator of cell apoptosis and NF-kappaB activation. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Apr 2012]
Molecular Mass	113.1 kDa
AA Sequence	MGELCRRDSALTALDEETLWEMMESHRHRIVRCICPSRLTPYLRQAKVLCQLDEEE VLHSPRLTNSAMRAGHLLDLLKTRGKNGAIAFLESCLKFHNPVYTLVTGLQPVDVFS NFSGLMETSKLTECLAGAIGSLQEELNQEKGQKEVLLRRCQQLQEHLGLAETRAEG LHQLEADHSRMKREVS AHFHEVLR LKDEMLSLSLHYSNALQEKELAAASRCRSLQEE LYLLKQELQRANMVSSCELELQEQLRTASDQESGDEELNRLKEENEKLRSLTFSLA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EKDILEQSLDEARGSRQELVERIHSLRERAVAAERQREQYWEEKEQTLLQFQKSKM
 ACQLYREKVNALQAQVCELQKERDQAYSARDSAQREISQSLVEKDSLRRQVFELTD
 QVCELRTQLRQLQAEP PGVLKQEARTREPCPREKQRLVRMHAICPRDDSDCSLVSS
 TESQLLSDL SATSSRELVD SFRSSSPAPPSQQSLYKRVAEDFGEEPWSFSSCLEIPE
 GDPGALPGAKAGDPHLDYELLD TADLPQLESSLQPVSPGRLDVSESGVLMRRRPAR
 RILSQVTMLAFQGDALLEQISVIGGNLTGIFIHRVTPGSAADQMALRPGTQIVMVDYE
 ASEPLFKAVLEDTTLEEAVGLLRRVDGFCCLSVKVNTDGYKRLLQDLEAKVATSGDS
 FYIRVNLAMEGRAKGE LQVHCNEVLHVTD TMFQGC GCWHAHRVNSYTMKD TAAH
 GTIPNYSRAQQQLIALIQDMTQQCTVTRKPSSGGPQKLVRIVSMDKAKASPLRLSFD
 RGQLDPSRMEGSSTCFWAESCLTLVPYTLVWPHRPARPRPVLLVPRAVGKILSEKL
 CLLQGFKKCLAEYLSQEEYEAWSQRGDIIQEGEVSGGRCWVTRHAVESLMEKNTH
 ALLDVQLDSVCTLHRMDIFPIVHVSVNEKMAKKLKKGLQRLGTSEEQLLEAARQEEG
 DLDRAPCLYSSLAPDGWSDLDGLLSCVRQAI ADEQKKVWTEQSPRTRTRPLEQKL
 ISEEDLAANDILDYKDDDDKV

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.

GENE INFORMATION

Gene Name CARD14 caspase recruitment domain family, member 14 [Homo sapiens (human)]

Official Symbol CARD14

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Synonyms	CARD14; caspase recruitment domain family, member 14; caspase recruitment domain-containing protein 14; BIMP2; CARMA2; carma 2; card-maguk protein 2; CARD-containing MAGUK protein 2; bcl10-interacting maguk protein 2; FLJ38097;
Gene ID	79092
mRNA Refseq	NM_024110
Protein Refseq	NP_077015
MIM	607211
UniProt ID	Q9BXL6
SDS-PAGE	