

## Product datasheet for PH317455

### CARD14 (NM\_024110) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CARD14 MS Standard C13 and N15-labeled recombinant protein (NP_077015)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217455
Predicted MW:	113.1 kDa
Protein Sequence:	>RC217455 representing NM_024110 Red=Cloning site Green=Tags(s)

MGELCRRDSALTALDEETLWEMMESHRHRIVRCICPSRLTPYL RQAKVLCQLDEEEVLHSPRLTNSAMRA  
GHLLDLLKTRGKNGAIAFLESLKFHNPVYTLVTGLQPDVDFSNFSGLMETSKLTECLAGAIGSLQEELN  
QEKGQKEVLLRRCQQLQEHLGLAETRAEGLHQLEADHSRMKREVS AHFHEVLRRLKDEMLSLSLHYSNALQ  
EKELAASRCRSLQEELYLLKQELQRANMVSSCELELQEQLRTASDQESGDEELNRLKEENEKLRSLTFS  
LAEKDILEQSLDEARGSRQELVERIHSLRERAVAAERQREQYWEEKEQTLLQFQKSKMACQLYREKVNAL  
QAQVCELQKERDQAYSARDAQREISQSLVEKDSLRRQVFELTDQVCELRTQLRQLQAEP PGVLKQFEART  
REPCPREKQRLVRMHAI CPRDDSDCSLVSSTESQLLSDL SATSSRELVD SFRSSSPAPPSQQLYKRVAE  
DFGEEPWSFSSCLEIPEGDPGALPGAKAGDPHLDYELLDTADLPQLESSLQPVSPGRLDVSESGVLMRRR  
PARRILSQVTMLAFQGDALLEQISVIGGNLTGIF IHRVTPGSAADQMALRPGTQIVMVDYEA SEPLFKAV  
LEDTTLEAVGLLRVDFGFCCLSVKVN TDG YKRL LQDLEAKVATSGDSFYIRVNLAMEGRAKGELQVHCN  
EVLHVTDTMFQGCWCWHHRVNSYTMKDTAAHGTIPNYSRAQQQLIALIQDMTQQCTVTRKPSGGPQKL  
VRIVSMDKAKASPLRLSFD RGQLDPSRMEGSSTCFWAESCLTLVPYTLVWPHRPARPRPVLLVPRAVGKI  
LSEKLCLLQGFKCLA EYLSQEEYEAWSQRGDI IQEGEVSGGRCWVTRHAVE SLMEKNTHALLDVQLDSV  
CTLHRMDIFPIVIVHSVNEKMAKKLKKGLQRLGTSEEQLLEAARQE EGDLDRAPCLYSS LAPDGWSDLDG  
LLSCVRQAI ADEQK KVVWTEQSPR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.



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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_077015</a>
RefSeq Size:	3917
RefSeq ORF:	3012
Synonyms:	BIMP2; CARMA2; PRP; PSORS2; PSS1
Locus ID:	79092
UniProt ID:	<a href="#">Q9BXL6</a>
Cytogenetics:	17q25.3

**Summary:** 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]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified CARD14 protein (Cat# [TP317455]). The protein was produced from HEK293T cells transfected with CARD14 cDNA clone (Cat# [RC217455]) using MegaTran 2.0 (Cat# [TT210002]).