

## Product datasheet for PH315899

### CARD9 (NM\_052813) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CARD9 MS Standard C13 and N15-labeled recombinant protein (NP_434700)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC215899
Predicted MW:	62.1 kDa
Protein Sequence:	>RC215899 representing NM_052813 Red=Cloning site Green=Tags(s)

MSDYENDDECWNVLEGFVTLTSVIDPSRITPYLRQCKVLNPDDEEQVLSDPNLVIRKRKVGVLDDILQR  
TGHKGYVAFLESLLEYYPQLYKKVTGKEPARVFSMIIDASGESGLTQLLMTEVMKLQKKVQDLTALLSSK  
DDFIKELRVKDSLLRKHQERVQRLKEECEAGSRELKRCKEENYDLAMRLAHQSEEKGAALMRNLDLQLEI  
DQLKHSLMKAEDDCKVERKHTLKL RHAMEQRPSQELLWELQQEKALLQARVQELEASVQEGKLDRSSPYI  
QVLEEDWRQALRDHQEQANTIFSLRKDLRQGEARRLCMEEKEMFELQCLALRKDSKMYKDRIEAILLQM  
EEVAIERDQAIATREELHAQHARGLQEKDALRKQVRELGEKADELQLQVFQCEAQLLAVEGRLRRQQLET  
LVLSSDLEDGSPRRSQELSLPQDLEDTQLSDKGCLAGGGSPKQPF AALHQEQVLRNPHDAGLSSGEPPEK  
ERRRLKESFENYRRKRALRKMQKGWRQGEEDRENTTGSNDTDEGS

TRRLEQKLI 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.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_434700</u>
RefSeq Size:	2136
RefSeq ORF:	1608



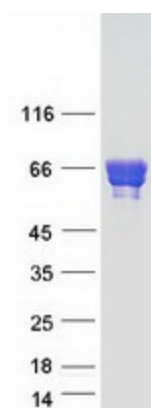
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**Synonyms:** CANDF2; hCARD9  
**Locus ID:** 64170  
**UniProt ID:** [Q9H257](#), [A0A024R8F1](#)  
**Cytogenetics:** 9q34.3

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome  
**Protein Pathways:** NOD-like receptor signaling pathway

### Product images:



Coomassie blue staining of purified CARD9 protein (Cat# [TP315899]). The protein was produced from HEK293T cells transfected with CARD9 cDNA clone (Cat# [RC215899]) using MegaTran 2.0 (Cat# [TT210002]).