

Recombinant Human CARD11 Protein, Myc/DDK-tagged

Cat. No. CARD11-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Homo sapiens caspase recruitment domain family, member 11 (CARD11) with a C-Myc/DDK tag was expressed in HEK293T.
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	133.1 kDa
AA Sequence	MPGGGPEMDDYMETLKDEEDALWENVECNRHMLSRYPINPAKLTPYLRQCKVIDEQ DEDEVLNAPMLPSKINRAGRLLDILHTKGQRGYVVFLESLEFYYPELYKLVTGKEPTR RFSTIVVEEGHEGLTHFLMNEVIKLQQQMKAKDLQRCELLARLRQLEDEKKQMTLTR VELLTFQERYYYKMKEERDSYNDELVKVKDDNYNLAMRYAQLSEEKNMAVMRSRDL

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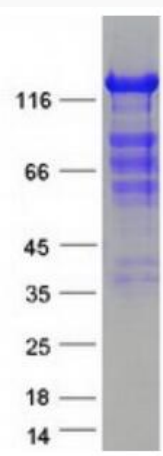
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 LIEKDKYRKQIRELEEKNDDEMRIEMVRREACIVNLESKLRLSKDSNNLDQSLPRNLP
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 SPISLKRTSDFQAKGHEEEGTDASPSSCGSLPITNSFTKMQPPRSRSSIMSITAEP
 PG NDSIVRRYKEDAPHRSTVEEDNDSGGFDALDLDSSHERYSFGPSSIHSSSSSHQS
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Purity	> 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 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

GENE INFORMATION

Gene Name	CARD11 caspase recruitment domain family member 11 [Homo sapiens (human)]
Official Symbol	CARD11 caspase recruitment domain family member 11 [Homo sapiens (human)]
Synonyms	CARD11; caspase recruitment domain family member 11; PPBL; BENTA; BIMP3; IMD11; CARMA1; IMD11A; caspase recruitment domain-containing protein 11; CARD-containing MAGUK protein 1; bcl10-interacting maguk protein 3; carma 1
Gene ID	84433
mRNA Refseq	NM_032415
Protein Refseq	NP_115791
MIM	607210
UniProt ID	Q9BXL7
SDS-PAGE	 Coomassie blue staining of purified CARD11 protein. The protein was produced

from HEK293T cells transfected with CARD11 cDNA clone using MegaTran 2.0.