

Datasheet for ABIN3090911

## CARD10 Protein (AA 1-1032) (Strep Tag)



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### Overview

Quantity:	250 µg
Target:	CARD10
Protein Characteristics:	AA 1-1032
Origin:	Human
Source:	Cell-free protein synthesis (CFPS)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CARD10 protein is labelled with Strep Tag.
Application:	ELISA, SDS-PAGE (SDS), Western Blotting (WB)

### Product Details

Brand:	AliCE®
Sequence:	<p>MPGRAEAGEA EEEAGAGSGS EAEEDALWER IEGVRHRLAR ALNPAKLTPY LRQCRVIDEQ</p> <p>DEEEVLSTYR FPCRNVNRTGR LMDILRCRGK RGYEAFLEAL EFYYPEHFTL LTGQEP AQRC</p> <p>SMILDEEGPE GLTQFLMTEV RRLREARKSQ LQREQLQAR GRVLEEERAG LEQLRLDQQQ</p> <p>AQERCQRLRE DWEAGSLELL RLKDENYMIA MRLAQLSEEK NSAVLRSRDL QLAVDQLK LK</p> <p>VSRLEE ECAL LRRARGPPPG AEEKEKEKEK EKEPDNVDLV SELRAENQRL TASLRELQEG</p> <p>LQQEASRPGA PGSERILLDI LEHDWREAQD SRQELCQKLH AVQGELQWAE ELRDQYLQEM</p> <p>EDLRLKHRTL QKDCDLYKHR MATVLAQLEE IEKERDQAIQ SRDRIQLQYS QSLIEKDQYR</p> <p>KQVRGLEAER DELLTTLTSL EGTKALLEVQ LQRAQGGTCL KACASSHSLC SNLSSTWSLS</p> <p>EFPSPLGGPE ATGEAAVMGG PEPHNSEEAT DSEKEINRLS ILPFPPSAGS ILRRQREEDP</p> <p>APPKRSFSSM SDITGSVTLK PWSPGLSSSS SSDSVWPLGK PEGLLARGCG LDFLNRSLAI</p> <p>RVSGRSPPGG PEPQDKGPDG LSFYGDRWSG AVVRRVLSGP GSARMEPREQ RVEAAGLEGA</p>

CLEAEAQQRT LLWNQGSTLP SLMDSKACQS FHEALEAWAK GPGAEPFYIR ANLTLPERAD  
PHALCVKAQE ILRLVDSAYK RRQEWFCRTV DPLTLRDLDR GTVPNYQRAQ QLLEVQEKCL  
PSSRHRGPRS NLKKRALDQL RLVPRPKVGA PAGDSPDQLL LEPCAEPERS LRPYSLVRPL  
LVLSALRPVVL LPECLAPRLI RNLLDLPSSR LDFQVCPAES LSGEELCPSS APGAPKAQPA  
TPGLGSRIRA IQESVGKKHC LLELGARGVR ELVQNEIYPI VIHVEVTEKN VREVRGLLGR  
PGWRDSELLR QCRGSEQVLW GLPCSWVQVP AHEWGHAEEL AKVVRGRILQ EQARLVWVEC  
GSSRGCPSSS EA

**Sequence without tag. The proposed Strep-Tag is based on experience s with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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### Characteristics:

#### Key Benefits:

- Made in Germany - from design to production - by highly experienced protein experts.
- Protein expressed with ALiCE® and purified in one-step affinity chromatography
- These proteins are normally active (enzymatically functional) as our customers have reported (not tested by us and not guaranteed).
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a **made-to-order protein** and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

The big advantage of ordering our **made-to-order proteins** in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

#### Expression System:

- ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.
- During lysate production, the cell wall and other cellular components that are not required for protein production are removed, leaving only the protein production machinery and the mitochondria to drive the reaction. During our lysate completion steps, the additional components needed for protein production (amino acids, cofactors, etc.) are added to produce something that functions like a cell, but without the constraints of a living system - all that's needed is the DNA that codes for the desired protein!

#### Concentration:

- The concentration of our recombinant proteins is measured using the absorbance at 280nm.

## Product Details

- The protein's absorbance will be measured against its specific reference buffer.
- We use the Expasy's ProtParam tool to determine the absorption coefficient of each protein.

Purification: One-step Strep-tag purification of proteins expressed in Almost Living Cell-Free Expression System (ALiCE®).

Purity: > 70-80 % as determined by SDS PAGE, Western Blot and analytical SEC (HPLC).

Grade: custom-made

## Target Details

Target: CARD10

Alternative Name: CARD10 ([CARD10 Products](#))

Background: Caspase recruitment domain-containing protein 10 (CARD-containing MAGUK protein 3) (Carma 3),FUNCTION: Scaffold protein that plays an important role in mediating the activation of NF-kappa-B via BCL10 or EGFR. {ECO:0000269|PubMed:27991920}.

Molecular Weight: 115.9 kDa

UniProt: [Q9BWT7](#)

Pathways: [S100 Proteins](#)

## Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Comment: ALiCE®, our Almost Living Cell-Free Expression System is based on a lysate obtained from *Nicotiana tabacum* c.v.. This contains all the protein expression machinery needed to produce even the most difficult-to-express proteins, including those that require post-translational modifications.

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Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer. Standard Storage Buffer: PBS pH 7.4, 10 % Glycerol <b>Might differ depending on protein.</b>
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months