

# Recombinant human CARD17 protein

Catalog Number: ATGP2311

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-110aa

### UniProt No.

Q5XLA6

### NCBI Accession No.

NP\_001007233

### Alternative Names

Caspase recruitment domain-containing protein 17, Caspase recruitment domain family, member 17, INCA

## PRODUCT SPECIFICATION

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### Molecular Weight

14.3 kDa (133aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CARD17 is a regulator of procaspase-1/CASP1 activation implicated in the regulation of the proteolytic maturation of pro-IL-1beta/IL1B and its release during inflammation. This protein inhibits the release of IL1B in response to LPS in monocytes. However, unlike CASP1, CARD17 do not induce NF-kappa-B activation. Recombinant human CARD17 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MADKVLK EKRKQFIRSV GEGTINGLLG ELLETRVLSQ EEIEIVKCEN  
ATVMDKARAL LDSVIRKGAP ACQICITYIC EEDSHLAGTL GLSAGPTSGN HLTQDSQIV LPS

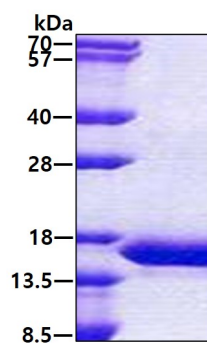
## General References

Lamkanfi M., et al. (2004), Biol. Chem. 279:51729-51738

## DATA

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### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.