

Recombinant Human CARD17 protein, His-tagged

Cat. No. CARD17-2311H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CARD17(1-110aa) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-110 a.a.
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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Molecular Mass	14.3 kDa (133aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMADKVLK EK RKQFIRSV GEGTINGLLG ELLETRVLSQ EEIEIVKCEN ATVMDKARAL LDSVIRKGAPACQICITYIC EEDSHLAGTL GLSAGPTSGN HLTQDSQIV LPS
Purity	> 95% by SDS - PAGE

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Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	1.0 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	CARD17 caspase recruitment domain family, member 17 [Homo sapiens]
Official Symbol	CARD17
Synonyms	CARD17; caspase recruitment domain family, member 17; caspase recruitment domain-containing protein 17; INCA; Inhibitory CARD; caspase-1 inhibitor INCA; inhibitory caspase recruitment domain protein; inhibitory caspase recruitment domain (CARD) protein;
Gene ID	440068
mRNA Refseq	NM_001007232
Protein Refseq	NP_001007233
MIM	609490
UniProt ID	Q5XLA6
Chromosome Location	11q22.3
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Apoptosis,

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organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Immune System, organism-specific biosystem; Inflammasomes, organism-specific biosystem; Innate Immune System, organism-specific biosystem; Interleukin-1 processing, organism-specific biosystem;

Function

cysteine-type endopeptidase activity; cysteine-type endopeptidase inhibitor activity; peptidase inhibitor activity;

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