# Product Data Sheet

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|---|---|
| Product Name: | CARD17 Human |
| Cat. No.: | GP22972 |
| Batch No.: | 1 |

## Product Data

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|---|---|---|---|
| Purity | >98% | Source | Escherichia Coli. |
| Phycical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |
| Synonyms | CARD17; Caspase Recruitment Domain Family; Member 17; Caspase recruitment domain-containing protein 17; INCA; Caspase-1 inhibitor INCA; Inhibitory caspase recruitment domain protein. | | |
| Amino Acid Sequence | MGSSHHHHHH SSGLVPRGSH MGSMADKVLK EKRKQFIRSV GEGTINGLLG ELLETRVLSQ EEIEIVKCEN ATVMDKARAL LDSVIRKGAP ACQICITYIC EEDSHLAGTL GLSAGPTSGN HLTTQDSQIV LPS. | | |
| Formulation | The CARD17 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT. | | |

## Introduction

Caspase Recruitment Domain Family, Member 17 (CARD17) is a regulator of procaspase-1/CASP1 activation involved in the regulation of the proteolytic maturation of pro-IL-1beta/IL1B and its release throughout inflammation. CARD17 inhibits the release of IL1B in reaction to LPS in monocytes. Though, unlike CASP1, CARD17 do not induce NF-kappa-B activation.

## Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

## Background

CARD17 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 133 amino acids (1-110) and having a molecular mass of 14.3 kDa.CARD17 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.


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