

Datasheet for ABIN7552897

CARD16 Protein (AA 1-197) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CARD16
Protein Characteristics:	AA 1-197
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CARD16 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CARD16 Protein expressed in mammalian cells.
Sequence:	<p>MADKVLKEKR KLFHSMGEG TINGLLDELL QTRVLNQEEM EKVKRENATV MDKTRALIDS</p> <p>VIPKGAQACQ ICITYICEED SYLAETLGLS AALQAVQDNP AMPTCSSPEG RIKLCFLEDA</p> <p>QRIWKQKLQR CHVQNTIIKW SERYTSGSFE MQWLFLRTNF IERFWRNILL LPLHKGSLYP</p> <p>RIPGLGKELQ TGTHKLS Sequence without tag. The proposed Purification-Tag is based on experiences 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

transmembrane proteins.

- 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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CARD16
Alternative Name:	CARD16 (CARD16 Products)
Background:	Caspase recruitment domain-containing protein 16 (Caspase recruitment domain-only protein 1) (CARD-only protein 1) (Caspase-1 inhibitor COP) (Pseudo interleukin-1 beta converting enzyme) (Pseudo-ICE) (Pseudo-IL1B-converting enzyme),FUNCTION: Caspase inhibitor. Acts as a regulator of procaspase-1/CASP1 activation implicated in the regulation of the proteolytic maturation of pro-interleukin-1 beta (IL1B) and its release during inflammation. Inhibits the release of IL1B in response to LPS in monocytes. Also induces NF-kappa-B activation during the pro-inflammatory cytokine response. Also able to inhibit CASP1-mediated neuronal cell death, TNF-alpha, hypoxia-, UV-, and staurosporine-mediated cell death but not ER stress-mediated cell death. Acts by preventing activation of caspases CASP1 and CASP4, possibly by preventing the interaction between CASP1 and RIPK2. {ECO:0000269 PubMed:11432859, ECO:0000269 PubMed:11536016, ECO:0000269 PubMed:16920334}.
Molecular Weight:	22.6 kDa
UniProt:	Q5EG05

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months