Datasheet for ABIN7553075

CARD14 Protein (AA 1-1004) (His tag)

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Overview

Quantity:	1 mg
Target:	CARD14
Protein Characteristics:	AA 1-1004
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CARD14 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CARD14 Protein expressed in mammalian cells.
Sequence:	MGELCRRDSA LTALDEETLW EMMESHRHRI VRCICPSRLT PYLRQAKVLC QLDEEEVLHS PRLTNSAMRA GHLLDLLKTR GKNGAIAFLE SLKFHNPDVY TLVTGLQPDV DFSNFSGLME TSKLTECLAG AIGSLQEELN QEKGQKEVLL RRCQQLQEHL GLAETRAEGL HQLEADHSRM KREVSAHFHE VLRLKDEMLS LSLHYSNALQ EKELAASRCR SLQEELYLLK QELQRANMVS SCELELQEQS LRTASDQESG DEELNRLKEE NEKLRSLTFS LAEKDILEQS LDEARGSRQE LVERIHSLRE RAVAAERQRE QYWEEKEQTL LQFQKSKMAC QLYREKVNAL QAQVCELQKE RDQAYSARDS AQREISQSLV EKDSLRRQVF ELTDQVCELR TQLRQLQAEP PGVLKQEART REPCPREKQR LVRMHAICPR DDSDCSLVSS TESQLLSDLS ATSSRELVDS FRSSSPAPPS QQSLYKRVAE DFGEEPWSFS SCLEIPEGDP GALPGAKAGD PHLDYELLDT ADLPQLESSL QPVSPGRLDV SESGVLMRRR PARRILSQVT MLAFQGDALL EQISVIGGNL TGIFIHRVTP GSAADQMALR PGTQIVMVDY EASEPLFKAV LEDTTLEEAV GLLRRVDGFC CLSVKVNTDG YKRLLQDLEA KVATSGDSFY IRVNLAMEGR AKGELQVHCN EVLHVTDTMF QGCGCWHAHR

Product Details

	VNSYTMKDTA AHGTIPNYSR AQQQLIALIQ DMTQQCTVTR KPSSGGPQKL VRIVSMDKAK ASPLRLSFDR GQLDPSRMEG SSTCFWAESC LTLVPYTLVR PHRPARPRPV LLVPRAVGKI LSEKLCLLQG FKKCLAEYLS QEEYEAWSQR GDIIQEGEVS GGRCWVTRHA VESLMEKNTH ALLDVQLDSV CTLHRMDIFP IVIHVSVNEK MAKKLKKGLQ RLGTSEEQLL EAARQEEGDL DRAPCLYSSL APDGWSDLDG LLSCVRQAIA DEQKKVVWTE QSPR **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.**
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:	Key Benefits: • 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 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:	CARD14
Alternative Name:	CARD14 (CARD14 Products)
Background:	Caspase recruitment domain-containing protein 14 (CARD-containing MAGUK protein 2) (Carma 2),FUNCTION: Acts as a scaffolding protein that can activate the inflammatory transcription factor NF-kappa-B and p38/JNK MAP kinase signaling pathways. Forms a

Target Details

	signaling complex with BCL10 and MALT1, and activates MALT1 proteolytic activity and inflammatory gene expression. MALT1 is indispensable for CARD14-induced activation of NF-kappa-B and p38/JNK MAP kinases (PubMed:11278692, PubMed:21302310, PubMed:27113748, PubMed:27071417). May play a role in signaling mediated by TRAF2, TRAF3 and TRAF6 and protects cells against apoptosis. {ECO:0000269|PubMed:11278692, ECO:0000269|PubMed:21302310, ECO:0000269|PubMed:27071417, ECO:0000269|PubMed:27113748}., FUNCTION: [Isoform 3]: Not able to activate the inflammatory transcription factor NF-kappa-B and may function as a dominant negative regulator (PubMed:21302310, PubMed:26358359). {ECO:0000269|PubMed:21302310, ECO:0000269|PubMed:26358359}.
Molecular Weight:	113.3 kDa
UniProt:	Q9BXL6

Application Details

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