

Datasheet for ABIN7552364 PYCARD Protein (AA 1-195) (His tag)



Overview	
Quantity:	1 mg
Target:	PYCARD
Protein Characteristics:	AA 1-195
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PYCARD protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)
Product Details	

Fulpose.	Customentate recombinat Proceed Protein expressed in manimalien cells.
Sequence:	MGRARDAILD ALENLTAEEL KKFKLKLLSV PLREGYGRIP RGALLSMDAL DLTDKLVSFY
	LETYGAELTA NVLRDMGLQE MAGQLQAATH QGSGAAPAGI QAPPQSAAKP GLHFIDQHRA
	ALIARVTNVE WLLDALYGKV LTDEQYQAVR AEPTNPSKMR KLFSFTPAWN WTCKDLLLQA
	LRESQSYLVE DLERS 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.
Characteristics:	Key Benefits:
	Made to order protein - from design to production - by highly experienced protein experts.
	Protein expressed in mammalien cells and purified in one-step affinity chromatography
	The optimized expression system ensures reliability for intracellular, secreted and
	transmembrane proteins.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/4 | Product datasheet for ABIN7552364 | 03/08/2025 | Copyright antibodies-online. All rights reserved. • 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, Western Blot

Grade:

custom-made

Target Details

Target:	PYCARD
Alternative Name:	PYCARD (PYCARD Products)
Background:	Apoptosis-associated speck-like protein containing a CARD (hASC) (Caspase recruitment
	domain-containing protein 5) (PYD and CARD domain-containing protein) (Target of
	methylation-induced silencing 1),FUNCTION: Functions as a key mediator in apoptosis and
	inflammation (PubMed:17599095, PubMed:25847972, PubMed:19494289, PubMed:15030775,
	PubMed:17349957, PubMed:19158675, PubMed:19158676, PubMed:30674671,
	PubMed:34678144, PubMed:24630722, PubMed:21487011, PubMed:19234215,
	PubMed:11103777, PubMed:12646168). Promotes caspase-mediated apoptosis involving
	predominantly caspase-8 and also caspase-9 in a probable cell type-specific manner
	(PubMed:11103777, PubMed:12646168). Involved in activation of the mitochondrial apoptotic
	pathway, promotes caspase-8-dependent proteolytic maturation of BID independently of FADD
	in certain cell types and also mediates mitochondrial translocation of BAX and activates BAX-
	dependent apoptosis coupled to activation of caspase-9, -2 and -3 (PubMed:16964285,
	PubMed:14730312). Involved in innate immune response by acting as an integral adapter in the
	assembly of various inflammasomes (NLRP1, NLRP2, NLRP3, NLRP6, AIM2 and probably IFI16)
	which recruit and activate caspase-1 leading to processing and secretion of pro-inflammatory
	cytokines (PubMed:17599095, PubMed:25847972, PubMed:15030775, PubMed:17349957,
	PubMed:19158675, PubMed:19158676, PubMed:30674671, PubMed:34678144,

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	EC0:0000269 PubMed:22732093, EC0:0000269 PubMed:23530044,
	EC0:0000269 PubMed:24630722, EC0:0000269 PubMed:25847972,
	EC0:0000269 PubMed:28314590, EC0:0000269 PubMed:29440442,
	ECO:0000269 PubMed:30674671, ECO:0000269 PubMed:33980849,
	ECO:0000269 PubMed:34678144}., FUNCTION: [Isoform 2]: May have a regulating effect on the
	function as inflammasome adapter. {ECO:0000269 PubMed:19759850,
	ECO:0000269 PubMed:20482797}., FUNCTION: [Isoform 3]: Seems to inhibit inflammasome-
	mediated maturation of interleukin-1 beta. {ECO:0000269 PubMed:20482797}.
Molecular Weight:	21.6 kDa
UniProt:	Q9ULZ3
Pathways:	Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin,
	Regulation of Actin Filament Polymerization, Positive Regulation of Endopeptidase Activity,
	Activated T Cell Proliferation, Inflammasome
Application Details	
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