

Datasheet for ABIN7551101

Pyrin Domain Containing 2 (PYDC2) (AA 1-97) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Pyrin Domain Containing 2 (PYDC2)
Protein Characteristics:	AA 1-97
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PYDC2 Protein expressed in mammalian cells.
Sequence:	<p>MASSAELDFN LQALLEQLSQ DELSKFKSLI RTISLGKELQ TVPQTEVDKA NGKQLVEIFT</p> <p>SHSCSYWAGM AAQVFEKMN QTHLSGRADE HCVMPPPP 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>
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 transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis).

Product Details

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:	Pyrin Domain Containing 2 (PYDC2)
Alternative Name:	PYDC2
Background:	Pyrin domain-containing protein 2 (Pyrin-only protein 2) (cellular POP2) (cPOP2),FUNCTION: May play a role in innate immunity by disrupting the interaction between PYCARD and NLRP3, thereby regulating the NLRP3 inflammasome (PubMed:17339483, PubMed:17178784). May also inhibit NF-kappa-B signaling distally by affecting the nuclear accumulation of RELA (PubMed:17339483, PubMed:24871464). {ECO:0000269 PubMed:17178784, ECO:0000269 PubMed:17339483, ECO:0000269 PubMed:24871464}.
Molecular Weight:	10.8 kDa
UniProt:	Q56P42

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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
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Handling

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