

Datasheet for ABIN7548496

NFKBIA Protein (AA 1-317) (His tag)



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Overview

Quantity:	1 mg
Target:	NFKBIA
Protein Characteristics:	AA 1-317
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFKBIA protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat NFKBIA Protein expressed in mammalien cells.
Sequence:	<p>MFQAAERPQE WAMEGPRDGL KKERLLDDRH DSGLD SMKDE EYEQMVKELQ EIRLEPQEVV</p> <p>RGSEPWKQQL TEDGDSFLHL AIIHEEKALT MEVIRQVKGD LAFLNFQNNL QQTPLHLAVI</p> <p>TNQPEIAEAL LGAGCDPELR DFRGNTPLHL ACEQGCLASV GVLTQSCTTP HLHSILKATN</p> <p>YNGHTCLHLA SIHG YLGIVE LLVSLGADV N AQEPCNGRTA LHLAVDLQNP DLVSLLLKCG</p> <p>ADVNRVTYQG YSPYQLTWGR PSTRIQQQLG QLTLENLQML PESEDEESYD TESEFTEFTE</p> <p>DELPYDDCVF GGQRLTL 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.

Product Details

- 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, Western Blot
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Grade:	custom-made
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Target Details

Target:	NFKBIA
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Alternative Name:	NFKBIA (NFKBIA Products)
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Background:	NF-kappa-B inhibitor alpha (I-kappa-B-alpha) (IκB-alpha) (IkappaBalpha) (Major histocompatibility complex enhancer-binding protein MAD3),FUNCTION: Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL (RELA/p65 and NFKB1/p50) dimers in the cytoplasm by masking their nuclear localization signals (PubMed:1493333, PubMed:7479976, PubMed:36651806). On cellular stimulation by immune and pro-inflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription (PubMed:7796813, PubMed:7628694, PubMed:7878466, PubMed:7479976). {ECO:0000269 PubMed:1493333, ECO:0000269 PubMed:36651806, ECO:0000269 PubMed:7479976, ECO:0000269 PubMed:7628694, ECO:0000269 PubMed:7796813, ECO:0000269 PubMed:7878466}.
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Molecular Weight:	35.6 kDa
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UniProt:	P25963
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Pathways:	NF-kappaB Signaling , TCR Signaling , TLR Signaling , Fc-epsilon Receptor Signaling Pathway ,
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Target Details

Activation of Innate immune Response, Cellular Response to Molecule of Bacterial Origin, Maintenance of Protein Location, Hepatitis C, Protein targeting to Nucleus, Toll-Like Receptors Cascades, BCR Signaling

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
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