

Datasheet for ABIN7565067
NFKBIZ Protein (AA 1-728) (His tag)



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Overview

Quantity:	1 mg
Target:	NFKBIZ
Protein Characteristics:	AA 1-728
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NFKBIZ protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Nfkbiz Protein expressed in mammalien cells.
Sequence:	<p>MIVDKLLDDS RGGEGLLDAA GDCGLMTSPL NLAYFYGASP PSAPGAGDTG YLSAVPSAPG</p> <p>SPGSDSSDFS STSSVSSCGA VESRPRGGAR AERPQVEPHM GVGRQQRGPF QGVRVKNSVK</p> <p>ELLHIRSNK QKASGQPVDE FKTQSVNIEQ LTDLKSAVSA VGKRKGPDPD SDGPVCKRPA</p> <p>LLPSHFVTSP QTPTPGESME DVRHSESKLD SSAALLQNII NIKNECNPVS LNTVQVSWMS</p> <p>PTVPQNSPRD QCQDFHGGQA FSPPQKYQPF QVSGSPQMMD QASMYQYSPQ TQNMQQPPPL</p> <p>PPQQHQHQNY PHNSPLQFSP YSRMSQSPKY DSNLFDTHEP QFCTGQSFVS LLTGPGEPES</p> <p>LAVPVPAPTS IPPQTETQLQ TFSLMPSNAC EAVVGVDHVG SHSLGTSLSL QNIMGSPMNT</p> <p>TQLGKSFFQW QVEQEESKLA NIPQDQFLAR DGDGDTFLHI AVAQGRRALS YVLARKMNAL</p> <p>HMLDIKEHNG QSAFQVAVAA NQHLIVQDLV NLGAQVNTTD CWGRTPHVC AEKGHSQVLQ</p> <p>AIQKGAVRSN QFVDLEATNY DGLTPLHCAV VAHNAVVEL QNRNRQSHSPE VQDLLLRNKS</p> <p>LVDTIKCLIQ MGAAVEAKDR KSGRTALHLA AEEANLELIR LFEELPSCLS FVNAKAYNGN</p>

TALHVAASLQ YRVTQLDAVR LLMRKGADPS TRNLENEQPV HLPDGPVGE QIRRILKGKS

IQQRAPPY **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 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

Grade:

custom-made

Target Details

Target:

NFKBIZ

Alternative Name:

Nfkbiz ([NFKBIZ Products](#))

Background:

NF-kappa-B inhibitor zeta (I-kappa-B-zeta) (Ikb-zeta) (IkbBzeta) (IL-1 inducible nuclear ankyrin-repeat protein) (INAP) (Molecule possessing ankyrin repeats induced by lipopolysaccharide) (MAIL),FUNCTION: Involved in regulation of NF-kappa-B transcription factor complexes (PubMed:11356851, PubMed:15241416, PubMed:15618216, PubMed:17447895). Inhibits NF-kappa-B activity without affecting its nuclear translocation upon stimulation (PubMed:11356851, PubMed:15241416, PubMed:15618216, PubMed:17447895). Inhibits DNA-binding of RELA and NFKB1/p50, and of the NF-kappa-B p65-p50 heterodimer and the NF-kappa-B p50-p50 homodimer (PubMed:11356851, PubMed:15241416, PubMed:15618216, PubMed:17447895). Seems also to activate NF-kappa-B-mediated transcription

Target Details

(PubMed:11356851, PubMed:15241416, PubMed:15618216, PubMed:17447895). In vitro, upon association with NFkB1/p50 has transcriptional activation activity and, together with NFkB1/p50 and RELA, is recruited to LCN2 promoters (By similarity). Promotes transcription of LCN2 and DEFB4 (By similarity). Is recruited to IL-6 promoters and activates IL-6 but decreases TNF-alpha production in response to LPS (PubMed:11086164, PubMed:25107474). Seems to be involved in the induction of inflammatory genes activated through TLR/IL-1 receptor signaling (PubMed:11086164, PubMed:25107474). Involved in the induction of T helper 17 cells (Th17) differentiation upon recognition of antigen by T cell antigen receptor (TCR) (PubMed:25282160). {ECO:0000250|UniProtKB:Q9BYH8, ECO:0000269|PubMed:11086164, ECO:0000269|PubMed:11356851, ECO:0000269|PubMed:15241416, ECO:0000269|PubMed:15618216, ECO:0000269|PubMed:17447895, ECO:0000269|PubMed:25107474, ECO:0000269|PubMed:25282160}.

Molecular Weight: 79.0 kDa

UniProt: [Q9EST8](#)

Pathways: [NF-kappaB 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