

**AR50086PU-N****Human NFKBIA / IKBA (1-317, His-tag) - Purified****Alternate names:**

I kappa B-alpha, I-kappa-B-alpha, Ikb-alpha, IkappaBalpaha, MAD3, Major histocompatibility complex enhancer-binding protein MAD3, NF-kappa-B inhibitor alpha, NFKBI

**Quantity:**

0.25 mg

**Concentration:**

0.5 mg/ml (determined by Bradford assay)

**Background:**

NF-kappa-B inhibitor alpha, also known as NFKBIA, is members of the Ikb family of proteins can be divided into four groups (Ikb-alpha, Ikb-beta, Ikb-gamma, Ikb-epsilon). NFKBIA inhibits the NFkB complex by binding and sequestering it in the cytoplasm. Upon stimulation, NFKBIA is phosphorylated on serine residues marking it for degradation by the ubiquitin pathway.

**Uniprot ID:**

[P25963](#)

**NCBI:**

[NP\\_065390](#)

**GeneID:**

[4792](#)

**Species:**

Human

**Source:**

E. coli

**Format:**

**State:** Liquid purified protein

**Purity:** >90% by SDS - PAGE

**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl

**Description:**

Recombinant human NFKBIA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**AA Sequence:**

```
MGSSHHHHHHH SSGLVPRGSH MFQAAERPQE WAMEGPRDGL KKERLLDDRH DSGLDMSKDE  
EYEQMVKELQ EIRLEPQEVV RGSEPWKQQL TEDGDSFLHL AIIHEEKALT MEVIRQVKGD  
LAFLNFQNNL QQTPLHLAVI TNQPEIAEAL LGAGCDPELR DFRGNTPLHL ACEQGCLASV  
GVLTQSCTTP HLHSILKATN YNGHTCLHLA SIHGYLEGIVE LLVSLGADVN AQEPCNGRTA  
LHLAVDLQNP DLVSLLLKCG ADVNRVTYQG YSPYQLTWGR PSTRIQQQLG QLTLENLQML  
PESEDEESYD TESEFTEFTE DELPYDDCVF GGQRLTL
```

**Molecular weight:** 37.7 kDa (337aa), confirmed by MALDI-TOF

**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

**General Readings:**

Simson C S., et al. (2000) J Biol Chem. 275:16879-16884. Singh S., et al. (1996) J Biol

Chem. 271:31049-31054.

Pictures:

