

Product information

NFKBIA, 1-317aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1261

Full name: NF-kappa-B inhibitor alpha

NCBI Accession No.: NP_065390

Synonyms: IKBA, MAD-3, NFKBI

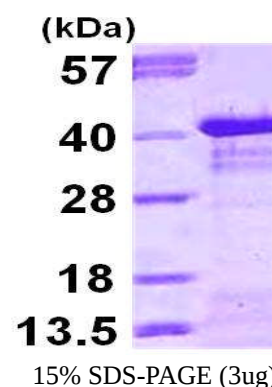
Description: NF-kappa-B inhibitor alpha, also known as NFKBIA, is members of the IκB family of proteins can be divided into four groups (IκB-α, IκB-β, IκB-γ, IκB-ε). NFKBIA inhibits the NFκB complex by binding and sequestering it in the cytoplasm. Upon stimulation, NFKBIA is phosphorylated on serine residues marking it for degradation by the ubiquitin pathway. Recombinant human NFKBIA protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 20% glycerol, 0.1M NaCl

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

Purity: > 90% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MFQAAERPQE WAMEGPRDGL KKERLLDDRH DSGLD SMKDE EYEQMVKELQ EIRLEPQEVV RGSEPWKQQL
TEDGDSFLHL AIIHEEKALT MEVIRQVKGD LAFLNFQNNL QQTPLHLAVI TNQPEIAEAL LGAGCDPELR DFRGNTPLHL ACEQGCLASV
GVLTQSCTTP HLHSILKATN YNGHTCLHLA SIHGVLGIVE LLVSLGADVN AQEPCNGRTA LHLAVDLQNP DLVSLLLKCG ADVNRVTYQG
YSPYQLTWGR PSTRIQQQLG QLTLENLQML PESEDEESYD TESEFTEFTE DELPYDDCVF GGQRLTL

General references:

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

Singh S., *et al.* (1996) *J Biol Chem.* 271:31049-31054.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.