

## 32-4312: Recombinant Human NF-kappa-B Inhibitor Alpha

**Alternative Name :** Nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor alpha, nuclear factor of kappa light chain gene enhancer in B-cells, IKBA, I-kappa-B-alpha, I-kappaBalpha, ikB-alpha, NFKBI, MAD-3, Major histocompatibility complex enhancer-

### Description

Source : E.coli. NFKBIA Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 337 amino acids (1-317) and having a molecular mass of 37.7 kDa. NFKBIA is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. NFKBIA belongs to the I-kappa-B family of proteins which is separated into four groups (IkB-a, IkB-b, IkB-g, IkB-e). NFKBIA inhibits the NFkB complex by binding and impounding it in the cytoplasm. When stimulated, NFKBIA is phosphorylated on serine residues targeting it for degradation by the ubiquitin pathway.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The NFKBIA solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 20% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MFQAAERPQE WAMEGPRDGL KKERLLDDRH DSGLDSMKDE EYEQMVKELQ EIRLEPQEVV RGSEPWKQQL TEDGDSFLHL AIIHEEKALT MEVIRQVKGD LAFLNFQNNL QQTPLHLAVI TNQPEIAEAL LGAGCDPELR DFRGNTPLHL ACEQGCLASV GVLTSQCTTP HLHSILKATN YNGHTCLHLA SIHGYLEGIVE LLVSLGADV N AQEPCNGRTA LHLAVDLQNP DLVSLLLKCG ADVNRVTYQG YSPYQLTWGR PSTRIQQQLG QLTLLENLQML PESEDEESYD TESEFTEFTE DELPYDDCVF GGQRLTL

