
Product Data Sheet

Product Name: NFKBIA Human
 Cat. No.: GP24034
 Batch No.: 1

Product Data

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|---------------------|-------|--------------------|-------------------------|
| Purity | >98% | Source | E.coli. |
| Physical Appearance | solid | Shipping Condition | Shipped with Ice Packs. |

Synonyms 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; IkappaBalpha; ikB-alpha; NFKBI; MAD-3; Major histocompatibility complex enhancer-binding protein MAD3; NF-kappa-B inhibitor alpha.

Amino Acid Sequence
 MGSSHHHHHH SGLVPRGSH MFQAAERPQE WAMEGPRDGL KKERLLDDRH
 DSGLD SMKDE EYEQMVKELQ EIRLEPQEVV RGSEPWKQQL TEDGDSFLHL
 AIIHEEKALT MEVIRQVKGD LAFLNFQNNL QQTPLHLAVI TNQPEIAEAL
 LGAGCDPELR DFRGNTPLHL ACEQGCLASV GVLTQSCSTP HLHSILKATN
 YNGHTCLHLA SIHG YLGIVE LLVSLGADV N AQEPCNGRTA LHLAVDLQNP
 DLVSLLLKCG ADVNRVTYQG YSPYQLTWGR PSTRIQQQLG QLTLLENLQML
 PESEDEESYD TESEFTEFTE DELPYDDCVF GGQRLTL

Formulation The NFKBIA solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 0.1M NaCl and 20% glycerol.

Introduction

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.

Stability

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.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

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.

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