

Recombinant human I κ B-alpha protein

Catalog Number: ATGP1261

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-317aa

UniProt No.

P25963

NCBI Accession No.

NP_065390.1

Alternative Names

NF-kappa-B inhibitor alpha, IKBA, MAD-3, NFKBI

PRODUCT SPECIFICATION

Molecular Weight

37.7 kDa (337aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

NF-kappa-B inhibitor alpha, also known as NFKBIA, is members of the I κ B family of proteins can be divided into four groups (I κ B-alpha, I κ B-beta, I κ B-gamma, I κ B-epsilon). NFKBIA inhibits the NF κ B 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.

Recombinant human IκB-alpha protein

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Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH> MFQAAERPQE WAMEGPRDGL KKERLLDDRH DSGLD SMKDE EYEQMVKEIQ
EIRLEPQVEP RGSEPWKQQL TEDGDSFLHL AIIHEEKALT MEVIRQVKGD LAFLNFQNNL QQTPLHLAVI TNQPEIAEAL
LGAGCDPELR DFRGNTPLHL ACEQGCLASV GVLTQSCTTP HLHSILKATN YNGHTCLHLA SIHG YLGIVE LLVSLGADV N
AQEPCNGRTA LHLAVDLQNP DLVSLLLKCG ADVNRVTYQG YSPYQLTWGR PSTRIQQQLG QLTLENLQML PESEDEESYD
TESEFTEFTE DELPYDDCVF GGQRLTL

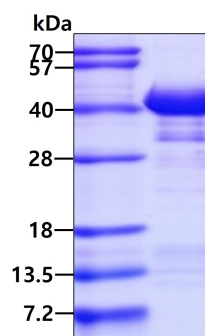
General References

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.