

Recombinant Human NFKBIA, His-tagged

Cat. No. NFKBIA-28232TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human IKB alpha with N terminal His tag; 337 amino acids with tag, Predicted MWt 37.7 kDa.
Species	Human
Source	E.coli
ProteinLength	317 amino acids
Description	This gene encodes a member of the NF-kappa-B inhibitor family, which contain multiple ankrin repeat domains. The encoded protein interacts with REL dimers to inhibit NF-kappa-B/REL complexes which are involved in inflammatory responses. The encoded protein moves between the cytoplasm and the nucleus via a nuclear localization signal and CRM1-mediated nuclear export. Mutations in this gene have been found in ectodermal dysplasia anhidrotic with T-cell immunodeficiency autosomal dominant disease.
Conjugation	HIS
Molecular Weight	37.700kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 20% Glycerol, 0.58% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHSSGLVPRGSHMFQAAERPQEWAMEGPRDGL KKERLLDDRHD LDSMKDEEYEQMVKELQEIRLEPQE VPRGSEPWKQQLTEDGDSFLHLAIH EEKALT MEVIRQVK GDLAFLNFQNNLQQTPLHLAVITNQPEIAEALLGAGCD PELRDFRGNTPHLACEQGCLASVGVLTQSCTTPHLHSIL KATNYNGHTCLHL ASIHGYLGIVELLVSLGADVNAQEP CNGR TALHLAVDLQNPDLVSLLLKCGAD VNRVTYQGYSPY QLTW GRPSTRIQQQLGQLTLENLQMLPESEDEESYDTE SEFTEFTEDEL PYDDCVFGGQR LTL
Sequence Similarities	Belongs to the NF-kappa-B inhibitor family. Contains 5 ANK repeats.

GENE INFORMATION

Gene Name	NFKBIA nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha [Homo sapiens]
Official Symbol	NFKBIA
Synonyms	NFKBIA; nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, alpha; NFKBI; NF-kappa-B inhibitor alpha; IkappaBalpha; IKBA; MAD 3;
Gene ID	4792
mRNA Refseq	NM_020529

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Protein Refseq	NP_065390
MIM	164008
Uniprot ID	P25963
Chromosome Location	14q13
Pathway	Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Apoptosis, organism-specific biosystem;
Function	NF-kappaB binding; NF-kappaB binding; enzyme binding; heat shock protein binding; identical protein binding;

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