

Recombinant Human NFKBIA, GST-tagged

Cat. No. NFKBIA-4861H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IκBα (1-175) was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	1-175
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.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~46 kDa
Purity	>90%
Applications	Kinase Assay; Western Blot

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Stability	1 yr at -70oC from date of shipment.
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Concentration	0.2 ug/ul
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; IKBA; MAD-3; NFKBI; IkappaBalph; NF-kappa-B inhibitor alpha; I-kappa-B-alpha; Major histocompatibility complex enhancer-binding protein MAD3; nuclear factor of kappa light chain gene enhancer in B-cells
Gene ID	4792
mRNA Refseq	NM_020529
Protein Refseq	NP_065390
MIM	164008
UniProt ID	P25963
Chromosome	14q13

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Location**Pathway**

Adaptive Immune System; Apoptosis Modulation and Signaling; B Cell Receptor Signaling Pathway

Function

NF-kappaB binding; heat shock protein binding; nuclear localization sequence binding

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