

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; IkappaBalpha; 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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