

Recombinant Human NFKBIB

Cat. No. NFKBIB-29577TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human IKB beta with an N-terminal proprietary tag; amino acids 1-336, 56kDa.
Species	Human
Source	E.coli
ProteinLength	1-336 a.a.
Description	The protein encoded by this gene belongs to the NF-kappa-B inhibitor family, which inhibit NF-kappa-B by complexing with, and trapping it in the cytoplasm. Phosphorylation of serine residues on these proteins by kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation of the NF-kappa-B, which translocates to the nucleus to function as a transcription factor. Alternatively spliced transcript variants have been found for this gene.
Tissue specificity	Expressed in all tissues examined.
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 0.25mM DTT, 0.1mM PMSF, pH 7.5

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	Purity was determined to be >90% by densitometry.
Sequence Similarities	Belongs to the NF-kappa-B inhibitor family.Contains 6 ANK repeats.
Full Length	Full L.

GENE INFORMATION

Gene Name	NFKBIB nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta [Homo sapiens]
Official Symbol	NFKBIB
Synonyms	NFKBIB; nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta; NF-kappa-B inhibitor beta; IKBB; TRIP9;
Gene ID	4793
mRNA Refseq	NM_001243116
Protein Refseq	NP_001230045
MIM	604495
Uniprot ID	Q15653
Chromosome	19q13.1

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Location	
Pathway	Activated TLR4 signalling, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Apoptosis, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem;
Function	protein binding; signal transducer activity; transcription coactivator activity;

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