

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	<p>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.</p> <p>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.</p> <p>Alternatively spliced transcript variants have been found for this gene.</p>
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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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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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