

# Recombinant Human Nuclear Factor Of Kappa Light Polypeptide Gene Enhancer In B-cells Inhibitor, Beta, His-tagged

Cat. No. NFKBIB-5544H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant humanNFKBIB protein, fused to His-tag at N-terminus, was expressed in E. coliand purified by using conventional chromatography.
<b>Species</b>	Human
<b>Description</b>	NFKBIB, also knownas NF-kappa-B inhibitor beta, 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 kinasesmarks them for destruction via the ubiquitination pathway, thereby allowingactivation of the NF-kappa-B, which translocates to the nucleus to functionas a transcription factor.
<b>Form</b>	Liquid. 20mMTris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT.
<b>Molecular Weight</b>	40.3 kDa (380aa), confirmed by MALDI-TOF.
<b>Purity</b>	> 90%by SDS-PAGE
<b>Concentration</b>	1 mg/ml(determined by Bradford assay)
<b>Sequences of aminoacids</b>	MGSSHHHHHSSGLVPRGSH MGSHMAGVAC LGKAADADEW CDSGLGSLGP DAAAPGGPGL GAELGPGLSWAPLVFGYVTE DGDTALHLAV IHQHEPFLDF LLGFSAGTEY MDLQNDLGQT ALHLAAILGE TSTVEKLYAAGAGLCVAERR GHTALHLACR VGAHACARAL LQPRRRPRE APDTYLAQGP DRTPDTNHTP

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VALYPDSDLEKEEEEESEEDW KLQLEAENYE GHTPLHVAVI HKDVEMVRLL  
 RDAGADLDKP EPTCGRSPLH LAVEAQAADVLELLLRRAGAN PAARMYGGRT  
 PLGSAMLRPN PILARLLRAH GAPEPEGEDE KSGPCSSSSD  
 SDSGDEGDEYDDIVVHSSRS QTRLPPTPAS KPLPDDPRPV

**Storage** Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**OfficialSymbol** NFKBIB

**nullValue\_other** Pathways  
 Activated TLR4signalling; Adipocytokine signaling pathway; Apoptosis; B cell re ceptorsignaling pathway; BCR signaling pathway; Chemokine signaling pathway; Cytosolic DNA-sensing pathway; Herpes simplex infection; Immune System;Influ enza A; Innate Immune System; Leishmaniasis; Measles; MyD88 cascadeinitiated on plasma membrane; NFkB and MAP kinases activation mediated byTLR4 signal ing repertoire

## GENE INFORMATION

**Gene Name** NFKBIBnuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor,beta [ Homo sapiens ]

**Synonyms** NFKBIB; nuclearfactor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta; IKBB;TRIP9; NF-kappa-B inhibitor beta; NF-kappa-BIB; I-kappa-B-beta; IkB-B; IkB-beta; IkappaBbeta; Thyroid receptor-interacting protein 9; TR-interacting protein 9; TRIP-9

**Gene ID** 4793

**mRNA Refseq** NM\_002503

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<b>Protein Refseq</b>	NP_002494
<b>MIM</b>	604495
<b>UniProt ID</b>	Q15653
<b>Chromosome Location</b>	19q13.1

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