

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

Product Overview	Recombinant humanNFKBIB protein, fused to His-tag at N-terminus, was expressed in E. coliand purified by using conventional chromatography.
Species	Human
Description	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 thecytoplasm. 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.
Form	Liquid. 20mMTris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT.
Molecular Weight	40.3 kDa (380aa),confirmed by MALDI-TOF.
Purity	> 90%by SDS-PAGE
Concentration	1 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSHMAGVAC LGKAADADEW CDSGLGSLGP DAAAPGGPGL GAELGPGLSWAPLVFGYVTE DGDTALHLAV IHQHEPFLDF LLGFSAGTEY MDLQNDLGQT ALHLAAILGE TSTVEKLYAAGAGLCVAERR GHTALHLACR VGAHACARAL LQPRRRPRE APDTYLAQGP DRTPDTNHTP

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VALYPDS DLEKEEEEESEEDW KLQLEAENYE GHTPLHVAVI HKDVEMVRLL
RDAGADLDKP EPTCGRSPLH LAVEAQAADVLELLL RAGAN 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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Protein Refseq	NP_002494
MIM	604495
UniProt ID	Q15653
Chromosome Location	19q13.1

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