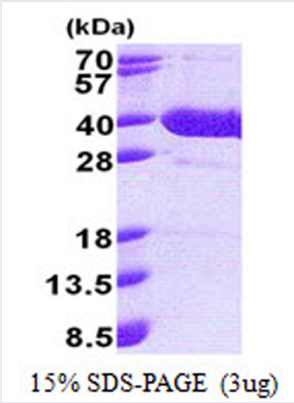
NFKBID Recombinant Protein

PRODUCT OVERVIEW

Product Name	NFKBID, Recombinant Protein
Full Product Name	NFKBID, 1-313aa, Human, His tag, E Coli
Product Gene Name	NFKBID recombinant protein
Product Synonym Names	NF-kappa-B inhibitor delta; IkappaBNS; TA-NFKBH
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEAGPWR VSAPPSGPPQ FPAVVPGPSL EVARAHMLAL GPQQLLAQDE EGDTLLHLFA ARGLRWAAYA AAEVLQVYRR LDIREHKGKT PLLVAAAANQ PLIVEDLLNL GAEPNAADHQ GRSVLHVAAT YGLPGVLLAV LNSGVQVDLE ARDFEGLTPL HTAILALNVA MRPSDLCPRV LSTQARDRLD CVHMLLQMGA NHTSQEIKSN KTVLHLAVQA ANPTLVQLLL ELPRGDLRTF VNMKAHGNTA LHMAAALPPG PAQEAIVRHL LAAGADPTLR NLENEQPVHL LRPGPGPEGL RQLLKRSRVA PPGLSS
Host	E Coli
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Purity/Purification	> 95% by SDS-PAGE
Concentration	0.5 mg/ml (determined by Bradford assay) (lot specific)
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.
Molecular Weight	35.9 kDa (336aa) confirmed by MALDI-TOF
3D Structure	ModBase 3D Structure for Q8NI38
Antigen Species	Human
Tag Information	His-tag
Product Categories/Family for NFKBID recombinant protein	Signal Transduction
Applications Tested/Suitable for NFKBID recombinant protein	SDS-PAGE
Related Product Information for NFKBID recombinant protein	NF-kappa-B inhibitor delta, also known as NFKBID, is a member of the IkB family of proteins can be divided into four groups (IkB-alpha, IkB-beta, IkB-gamma, IkB-epsilon). NFKBID plays a role in the regulation of both inflammatory responses and cytokine, IL-2 and IL-6 expression via NFkB activity. Existing as three alternatively spliced isoforms, NFKBID associates with RelB, NFkB p50 and NFkB p65 in nucleus, and is thought to assist in thymocyte selection in response to TCR induction. Recombinant human NFKBID protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product References and Citations for NFKBID recombinant protein	Wand L., et al. (2000) Clin Cancer Res. 6:2988-2993.; Trowsdale J., et al. (2001) Immunol Rev. 181:20-38.;
Other Notes	Small volumes of NFKBID recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NFKBID purchase	MBS204994 is a recombinant protein targeting NFKBID. Also known as NFKBID, 1-313aa, Human, His tag, E Coli. Host: E Coli.



SDS-Page of NFKBID recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NFKBID. It may not necessarily be applicable to this product.

NCBI GI #	41281709
NCBI GeneID	84807
NCBI Accession #	NP_640332
UniProt Primary Accession #	Q8NI38
UniProt Secondary Accession #	Q8NI39; Q9BRG9
UniProt Related Accession #	Q8NI38
GenBank Nucleotide #	NM_139239.2
NCBI Official Full Name	NF-kappa-B inhibitor delta isoform 1
NCBI Official Synonym Full Names	NFKB inhibitor delta
NCBI Official Symbol	NFKBID
NCBI Official Synonym Symbols	TA-NFKBH; IkappaBNS
UniProt Protein Name	NF-kappa-B inhibitor delta
UniProt Synonym Protein Names	I-kappa-B-delta; IkB-delta; IkappaBdelta; IkappaBNS; T-cell activation NFKB-like protein; TA-NFKBH
Protein Family	NF-kappa-B inhibitor
UniProt Gene Name	NFKBID
UniProt Synonym Gene Names	IKBNS; IkB-delta; IkappaBdelta
NCBI Protein Information	NF-kappa-B inhibitor delta
UniProt Comments for NFKBID	May regulate the expression of IL-2, IL-6, and other cytokines through regulation on NF-kappa-B activity. Functions in the regulation of inflammatory responses. May also regulate TCR-induced negative selection of thymocytes ().
Research Articles on NFKBID	**1.** The unique ability of p100/IkappaBdelta to stably interact with all NF-kappaB subunits by forming kappaBsomes demonstrates its importance in sequestering NF-kappaB subunits and releasing them as dictated by specific stimuli for developmental programs.
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