
Product Data Sheet

Product Name: NFKBID Human

Cat. No.: GP24036

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NF-kappa-B inhibitor delta; I-kappa-B-delta; Ikb-delta; IkappaBdelta; IkappaBNS; T-cell activation NFKB-like protein; TA-NFKBH; NFKBID; IKBNS.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMEAGPWR VSAPPSGPPQ FPAVVPGPSL EVARAHMLAL GPQQLLAQDE EGD TLLHLFA ARGLRWAAYA AAEVLQVYRR LDIREHKGKT PLLVAAAANQ PLIVEDLLNL GAEPNAADHQ GRSVLHVAAT YGLPGVLLAV LNSGVQVDLE ARDFEGLTPL HTAILALNVA MRPSDLCPRV LSTQARDRLD CVHMMLQMGA NHTSQEIKSN KTVLHLAVQA ANPTLVQLLL ELPRGDLRTF VNMKAHGNTA LHMAAALPPG PAQEAIVRHL LAAGADPTLR NLENEQPVHL LRPGPGPEGL RQLLKRSRVA PPGLSS.		
Formulation	The NFKBID solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

NFKBID belongs to the Ikb family of proteins which contains four groups (Ikb-alpha, Ikb-beta, Ikb-gamma, Ikb-epsilon). NFKBID takes part in regulating inflammatory responses and cytokine, IL-2 and IL-6 expression through NFkB activity. NFKBID has 3 known alternative spliced isoforms, and is associated with RelB, NFkB p50 and NFkB p65 in nucleus. NFKBID is involved in thymocyte selection in response to TCR induction.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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NFKBID Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 336 amino acids (1-313) and having a molecular mass of 35.9 kDa. NFKBID is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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