
Product Data Sheet

Product Name: NKIRAS1 Human
 Cat. No.: GP24045
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	NF-kappa-B inhibitor-interacting Ras-like protein 1; I-kappa-B-interacting Ras-like protein 1; Kappa B-Ras protein 1; KappaB-Ras1; NKIRAS1; KBRAS1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGKGCKVVVC GLLSVGKTAI LEQLLYGNHT IGMEDCETME DVYMASVETD RGVKEQLHLY DTRGLQEGVE LPKHYSFAD GFVLVYSVNN LESFQRVELL KKEIDKFKDK KEVAIVVLGN KIDLSEQRQV DAEVAQQWAK SEKVRLWEVT VTDRKTLEP FTLLASKLSQ PQSKSSFPLP GRKNKGNSNS EN.		
Formulation	NKIRAS1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.		

Introduction

NF-kappa-B inhibitor-interacting Ras-like protein 1 (NKIRAS1) is a member of the small GTPase superfamily. NKIRAS1 is an unusual Ras-like protein which acts as a potent regulator of NF-kappa-B activity by thwarting the degradation of NF-kappa-B inhibitor beta (NFKBIB) by most signals, describing why NFKBIB is more resistant to degradation. NKIRAS1 functions by blocking phosphorylation of NFKBIB and mediating cytoplasmic retention of p65/RELA NF-kappa-B subunit. Both GTP- and GDP-bound forms block phosphorylation of NFKBIB.

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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NKIRAS1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 212 amino acids (1-192 a.a) and having a molecular mass of 23.8kDa (Molecular weight on SDS-PAGE will appear higher).NKIRAS1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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