

Recombinant Human NFKB Inhibitor Interacting Ras-like 1, His-tagged

Cat. No. NKIRAS1-5545H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanNKIRAS1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Human
Description	NKIRAS1, also known as NF-kappa-B inhibitor-interacting Ras-like protein 1, belongs to the small GTPase superfamily. NKIRAS1 is atypical Ras-like protein that acts as a potent regulator of NF-kappa-B activity by preventing the degradation of NF-kappa-B inhibitor beta (NFKBIB) by most signals, explaining why NFKBIB is more resistant to degradation. It may act by blocking phosphorylation of NFKBIB and mediating cytoplasmic retention of p65/RELA NF-kappa-B subunit. It is unclear whether it acts as a GTPase. Both GTP- and GDP-bound forms block phosphorylation of NFKBIB.
Form	Liquid. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1mM DTT.
Molecular Weight	23.8 kDa (212aa), confirmed by MALDI-TOF.
Purity	> 95% by SDS-PAGE
Concentration	0.25 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MGKGCKVVVCGLLSVGKTAI LEQLLYGNHT IGMEDCETME DVYMASVETD RGVKEQLHLY DTRGLQEGVE LPKHYSFADGFVLVYSVNN LESFQRVELL KKEIDKFKDK KEVAIVVLGN

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KIDLSEQRQV DAEVAQQWAK SEKVRLEWTVTDRKTLIEP FTLLASKLSQ
PQSKSSFPLP GRKNKGNNSNS EN

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

NKIRAS1

nullValue_other

Pathways TNF-alpha/NF-kB Signaling Pathway

GENE INFORMATION

Gene Name

[NKIRAS1NFKB inhibitor interacting Ras-like 1 \[Homo sapiens \]](#)

Synonyms

NKIRAS1; NFKBinhibitor interacting Ras-like 1; KBRAS1; kappaB-Ras1; NF-kappa-Binhibitor-interacting Ras-like protein 1; kappa B-ras 1; kappa B-Ras protein1; I-kappa-B-interacting Ras-like protein 1; OTTHUMP00000208334; OTTHUMP00000208335;OTTHUMP00000208336; OTTHUMP00000208337; OTTHUMP00000208338; OTTHUMP00000208339;OTTHUMP00000214794; OTTHUMP00000214795

Gene ID

[28512](#)

mRNA Refseq

[NM_020345](#)

Protein Refseq

[NP_065078](#)

MIM

[604496](#)

UniProt ID

[Q9YNS0](#)

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Chromosome	3p24.2
Location	

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