

32-4323: Recombinant Human NFKB Inhibitor Interacting Ras-Like 1

Alternative Name : 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.

Description

Source : Escherichia Coli. 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. 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.

Product Info

Amount : 5 µg
Purification : Greater than 95.0% as determined by SDS-PAGE.
Content : NKIRAS1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol and 1mM DTT.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGKGCKVVVC GLLSVGKTAI LEQLLYGNHT IGMEDCETME
 DVYMASVETD RGVKEQLHLY DTRGLQEGVE LPKHYSFAD GFVLVYSVNN LESFQRVELL KKEIDKFKDK
 KEVAIVVLGN KIDLSEQRQV DAEVAQQWAK SEKVRLWEVT VTDRKTLIEP FTLLASKLSQ PQSKSSFPLP
 GRKNKGNSNS EN.

