abcam

Product datasheet

Recombinant Human NKIRAS1 protein ab123143

1 Image

Description

Product name	Recombinant Human NKIRAS1 protein
Purity	> 95 % SDS-PAGE. ab123143 was purified using conventional chromatography.
Expression system	Escherichia coli
Accession	**Q9NYS0**
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHHSSGLVPRGSHMGKGCKVVVCGLLSVGKT AILEQLLYGNHT IGMEDCETMEDVYMASVETDRGVKEQLHLYDTRGLQEGV ELPKHYFSFAD GFVLVYSVNNLESFQRVELLKKEIDKFKDKKEVAIVVLGNK IDLSEQRQV DAEVAQQWAKSEKVRLWEVTVTDRKTLIEPFTLLASKLS QPQSKSSFPLP GRKNKGNSNSEN
Predicted molecular weight	24 kDa including tags
Amino acids	1 to 192
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab123143** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

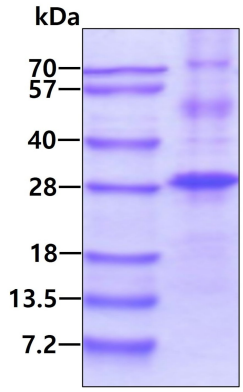
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol (glycerin, glycerine)

General Info

Function	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. 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.
Tissue specificity	Widely expressed.
Sequence similarities	Belongs to the small GTPase superfamily. Ras family. KappaB-Ras subfamily.
Domain	In contrast to other members of the Ras family, the members of the KappaB-Ras subfamily do not contain the conserved Gly and Gln residues in positions 13 and 65, which are replaced by Leu residues, and are therefore similar to the constitutively active forms of oncogenic forms of Ras. This suggests that members of this family are clearly different from other small GTPases proteins.
Cellular localization	Cytoplasm.

Images



SDS-PAGE - Recombinant Human NKIRAS1 protein (ab123143)

SDS-PAGE analysis of ab123143 (3 µg).

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