NKIRAS1 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	NKIRAS1, Lysate
Full Product Name	Human NKIRAS1 Protein Lysate
Product Gene Name	NKIRAS1 lysate
Product Synonym Names	NKIRAS1; kappaB-Ras1; KBRAS1
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	23.8 kDa (212aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
OMIM	604496
3D Structure	ModBase 3D Structure for Q9NYS0
Related Product Information for NKIRAS1 lysate	Human NKIRAS1 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of NKIRAS1 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NKIRAS1 purchase	MBS8416054 is a lysate targeting NKIRAS1. Also known as Human NKIRAS1 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NKIRAS1. It may not necessarily be applicable to this product.

NCBI GI #	9966809
NCBI GeneID	28512
NCBI Accession #	NP_065078
UniProt Primary Accession #	Q9NYS0
UniProt Secondary Accession #	Q96K18
UniProt Related Accession #	Q9NYS0
GenBank Nucleotide #	NM_020345
NCBI Official Full Name	NF-kappa-B inhibitor-interacting Ras-like protein 1
NCBI Official Synonym Full Names	NFKB inhibitor interacting Ras like 1
NCBI Official Symbol	NKIRAS1
NCBI Official Synonym Symbols	KBRAS1; kappaB-Ras1
UniProt Protein Name	NF-kappa-B inhibitor-interacting Ras-like protein 1

UniProt Synonym Protein Names	I-kappa-B-interacting Ras-like protein 1; Kappa B-Ras protein 1; KappaB-Ras1
Protein Family	NF-kappa-B inhibitor-interacting Ras-like protein
UniProt Gene Name	NKIRAS1
UniProt Synonym Gene Names	KBRAS1; Kappa B-Ras protein 1; KappaB-Ras1
UniProt Entry Name	KBRS1_HUMAN
NCBI Protein Information	NF-kappa-B inhibitor-interacting Ras-like protein 1
UniProt Comments for NKIRAS1	NKIRAS1: 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. Belongs to the small GTPase superfamily. Ras family. KappaB-Ras subfamily. Protein type: G protein; G protein, monomeric; G protein, monomeric, Ras Chromosomal Location of Human Ortholog: 3p24.2 Cellular Component: membrane; cytoplasm Molecular Function: GTPase activity; GTP binding Biological Process: I-kappaB kinase/NF-kappaB cascade; metabolic process; small GTPase mediated signal transduction
Research Articles on NKIRAS1	**1.** It was demonstrated that elevated levels of mRNA for NKIRAS1 was significantly associated both with loss of methylation in NKIRAS1 CpG-islands and methylation in a number of miRNA genes.
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