

Product datasheet for PH304248

NKIRAS1 (NM_020345) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NKIRAS1 MS Standard C13 and N15-labeled recombinant protein (NP_065078)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204248
Predicted MW:	21.6 kDa
Protein Sequence:	>RC204248 protein sequence Red=Cloning site Green=Tags(s) MGKGCKVVVCGLLSVGKTAILEQLLYGNHTIGMEDCETMEDVYMASVETDRGVKEQLHL YDTRGLQEGVE LPKH YFSFADGFVLVYSVNNLESFQRVELLKK EIDKFKDKKEVAIVVLGNKIDLSEQRQVDAEVAQQWAK SEKVR LW ETVTDRKTLIEPFTLLASKLSQPQSKSSFPLPGRKNKGNSNSEN TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_065078
RefSeq Size:	2013
RefSeq ORF:	576
Synonyms:	kappaB-Ras1; KBRAS1
Locus ID:	28512
UniProt ID:	Q9NYS0

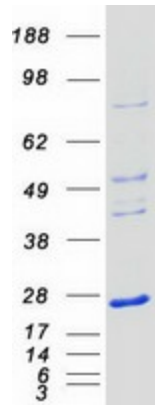


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Cytogenetics: 3p24.2

Summary: 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. [UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified NKIRAS1 protein (Cat# [TP304248]). The protein was produced from HEK293T cells transfected with NKIRAS1 cDNA clone (Cat# [RC204248]) using MegaTran 2.0 (Cat# [TT210002]).