

Product datasheet for PH326742

NKIRAS2 (NM_001144927) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NKIRAS2 MS Standard C13 and N15-labeled recombinant protein (NP_001138399)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226742
Predicted MW:	21.5 kDa
Protein Sequence:	>RC226742 protein sequence Red=Cloning site Green=Tags(s) MGKSCKVVVCGQASVVGKTSILEQLLYGNHVVGSEMIETQEDIYVGSIIETDRGVREQVRFYDTRGLRDGAE LPRHCFSCDTDGYVLVYSTDSRESFQRVELLKKKEIDKSKDKKEVTIVVLGNKCDLQEQRVDPDVAQHWAK SEKVKLWEVSVADRRSLLEPFVYLASKMTQPQSKSAFPLSRKNKGGSLDG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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_001138399
RefSeq Size:	2493
RefSeq ORF:	573
Synonyms:	kappaB-Ras2; KBRAS2
Locus ID:	28511
UniProt ID:	Q9NYR9 , A0A024R1Z4

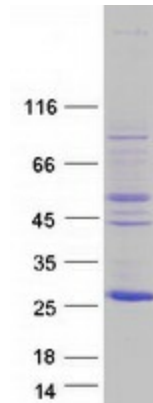


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Cytogenetics: 17q21.2

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 nuclear localization 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 (By similarity).
[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified NKIRAS2 protein (Cat# [TP326742]). The protein was produced from HEK293T cells transfected with NKIRAS2 cDNA clone (Cat# [RC226742]) using MegaTran 2.0 (Cat# [TT210002]).