

## Product datasheet for PH323273

### NKIRAS2 (NM\_001001349) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NKIRAS2 MS Standard C13 and N15-labeled recombinant protein (NP_001001349)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223273
Predicted MW:	21.5 kDa
Protein Sequence:	>RC223273 protein sequence Red=Cloning site Green=Tags(s)  MGKSCKVVVCGQASVVGKTSILEQLLYGNHVVGSEMIETQEDIYVGSJETDRGVREQVRFYDTRGLRDGAE LPRHCFSCDTDGYVLVYSTDSRESFQRVELLKKKEIDKSKDKKEVTIVVLGNKCDLQEQRVDPDVAQHWAK SEKVKLWEVSVADRRSLLEPFVYLASKMTQPQSKSAFPLSRKNKGGSLDG  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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_001001349</a>
RefSeq Size:	2389
RefSeq ORF:	573
Synonyms:	kappaB-Ras2; KBRAS2
Locus ID:	28511
UniProt ID:	<a href="#">Q9NYR9</a> , <a href="#">A0A024R1Z4</a>

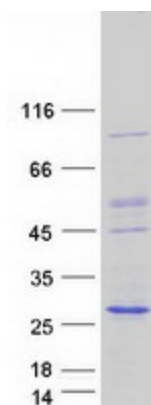


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Cytogenetics: 17q21.2

**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# [TP323273]). The protein was produced from HEK293T cells transfected with NKIRAS2 cDNA clone (Cat# [RC223273]) using MegaTran 2.0 (Cat# [TT210002]).