

Product datasheet for PH309464

NKIRAS2 (NM_017595) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | NKIRAS2 MS Standard C13 and N15-labeled recombinant protein (NP_060065) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC209464 |
| Predicted MW: | 21.5 kDa |
| Protein Sequence: | >RC209464 protein sequence Red=Cloning site Green=Tags(s) MGKSCVVVCGQASVVGKTSILEQLLYGNHVVGSEMIETQEDIYVGSJETDRGVREQVRFYDTRGLRDGAE LPRHCFSCTDGYVLVYSTDSRESFQRVELLKKKEIDKSKDKKEVTIVVLGNKCDLQEQRVDPDVAQHWAK SEKVKLWEVSVADRRSLLEPFVYLASKMTQPQSKSAFPLSRKNKGSGSLDG 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- 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_060065 |
| RefSeq Size: | 2474 |
| RefSeq ORF: | 573 |
| Synonyms: | kappaB-Ras2; KBRAS2 |
| Locus ID: | 28511 |
| UniProt ID: | Q9NYR9 , A0A024R1Z4 |

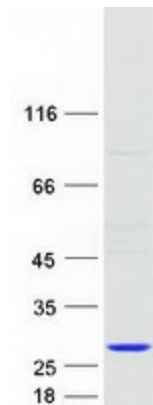


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Cytogenetics: 17q21.2

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# [TP309464]). The protein was produced from HEK293T cells transfected with NKIRAS2 cDNA clone (Cat# [RC209464]) using MegaTran 2.0 (Cat# [TT210002]).