

Product datasheet for RC226742

NKIRAS2 (NM_001144927) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NKIRAS2 (NM_001144927) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: NKIRAS2
Synonyms: kappaB-Ras2; KBRAS2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC226742 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGAAGAGCTGCAAGGTGGTCGTGTGGCCAGGCGTCTGTGGGCAAACCTCAATCCTGGAGCAGC
 TTCTGTATGGGAACCATGTAGTGGGTTCCGAGATGATCGAGACGCAGGAGGACATCTACGTGGGCTCCAT
 TGAGACAGACCGGGGGTGGCAGAGCAGGTGCGTTTCTATGACACCCGGGGCTCCGAGATGGGGCCGAA
 CTGCCCGACACTGCTTCTCTTGCCTGATGGCTACGTCCTGGTCTATAGCACAGATAGCAGAGAGTCTT
 TTCAGCGTGTGGAGCTGCTCAAGAAGGAGATTGACAAATCCAAGGACAAGAAGGAGGTACCATCGTGGT
 CCTTGGCAACAAGTGTGACTTACAGGAGCAGCGCGTGTAGACCCAGATGTGGCTCAGCACTGGGCCAAG
 TCAGAGAAGGTGAAGCTGTGGGAGGTGTAGTGGCGGACCGCGCTCCCTCCTGGAGCCCTTTGTCTACT
 TGGCCAGCAAGATGACGCAACCCAGAGCAAGTCTGCCTCCCTCAGCCGGAAGAACAAGGGCAGCGG
 CTCCTTGATGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC226742 protein sequence
 Red=Cloning site Green=Tags(s)

MGKSKVVVCGQASVGKTSILEQLLYGNHVVGSEMIETQEDIYVGSJETDRGVREQVRFYDTRGLRDGAE
 LPRHCFSDTGYVLVYSTDSRESFQVVELLKEIDKSKDKKEVTIVVLGNKCDLQEQRVDPDVAQHWAK
 SEKVKLWEVSVADRRSLLEPFVYLASKMTQPQSKSAFPLSRKNKGSGLDG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

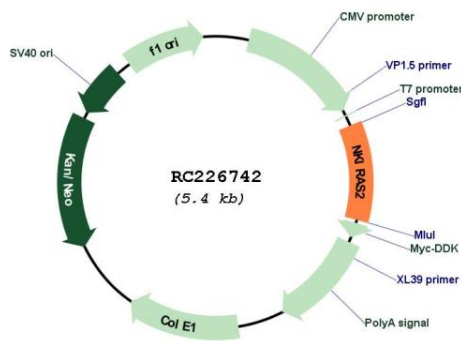


[View online »](#)

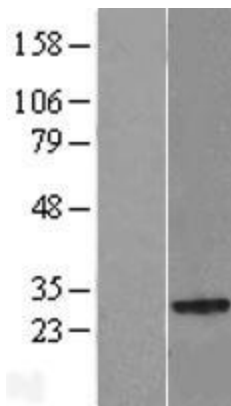
UniProt ID: [Q9NYR9](#)
Cytogenetics: 17q21.2
MW: 21.5 kDa

Gene 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]

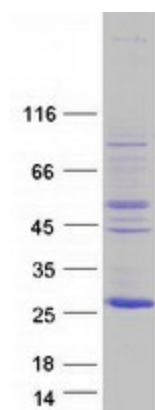
Product images:



Circular map for RC226742



Western blot validation of overexpression lysate (Cat# [LY428581]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226742 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



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]).