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Product datasheet for MC201071

Nkiras2 (NM_028024) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nkiras2 (NM_028024) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nkiras2
Synonyms:	2410003M04Rik; 4930527H08Rik; D630018G21Rik; KBRAS2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC013469 sequence for NM_028024
CCGGGAGGTTGAAAGCTAAGCATGGGGAAGAGCTGCAAGGTGGTCGTGTGCGGCCAGGCATCTGTGGGCA
AAACTTCAATCCTTGAGCAGCTTCTGTACGGGAACCATGTCGTGGGTTCTGAGATGATCGAGACCCAGGA
GGACATCTATGTAGGCTCCATCGAGACAGACCGAGGGGTGCGGGAGCAGGTGCGTTTCTATGATACACGG
GGTCTCCGGGATGGGGCCGAGCTGCCCAAGCACTGCTTCTCCTGCACCGATGGCTACGTCCTGGTCTACA
GCACAGACAGCCGAGAGTCGTTCCAGCGCGTCGAGCTGCTCAAGAAGGAGATCGACAAGTCCAAGGACAA
GAAGGAGGTCACCATCGTGGTCCTTGGCAACAAGTGTGACCTGCAGGAGCAGCGTCGCGTAGACCCTGAC
GTGGCCCAGCACTGGGCCAAGTCCGAGAAGGTGAAGCTATGGGAGGTGTCGGTGGCTGACCGACGCTCCC
TCCTAGAGCCTTTCATCTACCTGGCCAGCAAGATGACCCAGCCGCAGAGCAAGTCTGCCTTCCCCCTCAG
CCGCAAGAACAAGGGCAGCGGCTCCTTGGATGGCTGAATAGCTGCCCTTCTTGCTTCACCATTCCAAGCC
CATTCCGGGATGGGTGGCGAGCACAGGGTGCATAAGCAAGCTGTTCTTCCCAGTCGGTAGGGGAGTGACC
CTCTAGGACAGGAAGCTGGGCTGGCCCAGGCCAGTGCCACCTTTGTCCTCTCTTAACTCCAAGAAGTGCA
AGTGAACTTGATTGTTGGCCCTCCCTTGACCTTCCATAATAGTTCCCACCCCTCCCCCAGCTGACCATAT
TTTCTCCACTGTCACCTAGACACTTATGGGTTAGTGTCCCTTCCATCTGCCTGGTGCAGGAAGCAGGGCC
GTCATGCCAACGCGCCCAGTCCAGGATCTGCCTCCTATCAGGGATCCCAACTCTGAATTTCCTGCCACTA
ACATACACACAGTACCAGCCTTAAAACAAAAGACTAGGTACTGTAAGCATACATTTGTGCGAGCTGGCTT
AGGGTTGGTTCCTCATCCTCCACCCTGACCTTTCCTCTGGCCTGTTCAAGGCCTGGTAAAGTCAGGCTCC
TGGGAGTGGCATTTCCTGTTTGACCTCTACCCATCTCCCAGTTGTTTCACTTCCTCTTCCTGTTCCAGGA
GCAGAGGTCTTATTGGCTGAGGTAGAGTGGAGTGATGACTGGGCTGTCACATGCCCTGAGACTTAGCAAG
ACTCTTCTCCCCTGAGCGTCAGTCTTCTCGTATGTGAGTTGACAGAAGCTTGGATGTCACCTAGAGCCAC
GGGTAGCGCTGTGACTTTTCTAAAGCTGGTGGCTTGGGCCTCCTGTGTGTCTTCTGCCCCTGCTCCACCC
TCTTTAAGGTGCTACACCTACCGGCCCTGGAGGCTGGACGGCCTCTCTTAACCACCAGGGGGCAGGGGTG
CACTCTGCTCAGTGCTGCGAGCGAGCGGCTGTCTATTAACCTGCCCAACAGGGTAGTGTCCATCCCTCCT
GGTTGGTTTTGGCTAGTAGCTGGACTTTATATTTATACTCTCTCTGTATTTATGCACCTGCTGCTCTGGT
GAAGGTGGGATAAGCCGCGCCCCCAGCCCTTCTTTCTTACCTCAGATGCCTGAAGAGAACCAGGCAGCCC
AGTAGCAGCTTCCCAGGAGCTGACAAGCCTTCCATCAGAGGCTTGTGCTATCAAGTGAGCTTATCACCCA
CAACCTGCGGTGCCCACTCCGTGCTTCTGATGTGCACACCTCACACGGGTTAAACACTATGGCCAGGCCA
CCTCCAATACCCTCTCCTCCTCCTAGAACAGGCGAGGGGGGGCTGGTGCCCAGGCCTGGGCAAGGAGAGT
CTGGGCACCTACAGGCTCAGGCTTGAAGTTCATTTATTGATGTGTTGGACACAATAAAACCACAACTGCT
ATTAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028024

Insert Size: 576 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	BC013469, AAH13469
RefSeq Size:	1981 bp
RefSeq ORF:	576 bp
Locus ID:	71966
UniProt ID:	Q9CR56
Cytogenetics:	11 D
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]