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Product datasheet for MC210995

Nkiras1 (NM_023526) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nkiras1 (NM_023526) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nkiras1
Synonyms:	2400004O09Rik; kappaB-Ras1; KBRAS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC210995 representing NM_023526 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGGAAGGGTTGCAAGGTTGTCATTTGTGGGTTGCTGTCTGTTGGGAAAACTGCAATTTTGGAGCAAC TCCTTTATGGGAATCACACTATTGGGATGGAAGACTGTGAAACGCTGGAAGACGTGTACATGGCATCTGT AGAGACAGACCGTGGGGTGAAGGAGCAGCTGCACTTGTATGACACCCGAGGCCTGCAGAAAGGCGTGGAG CTGCCAAAGCATTACTTCTCATTTGCTGATGGCTTTGTTCTTGTGTATAGTGTGAATAACCTTGAGTCCT TCCAAAGAGTGGAGCTTCTGAAGAAAGAGATTGATAAGTTCAAAGACAAAAAGGAGGTGGCAATCGTTGT GTTAGGAAACAAACTGGACCTTTCTGAGCAGAGACAGGTGGATGCTGACGTGGCACAACAGTGGGCAAGA AGTGAGAAAGTCAAGCTGTGGGAGGTGACAGTGACAGACCGGAGGACACTGATTGAACCCTTCACTTTAC TGGCCAGCAAGCTTTCTCAGCCCCAGAGCAAATCCAGCTTCCCTTTGCCTGGGAGGAAAAACAAAGGGAA CTCCAATCCCGAAAACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Restriction Sites:	SgfI-MluI
ACCN:	NM_023526
Insert Size:	579 bp

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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.
RefSeq:	NM_023526.4, NP_076015.2
RefSeq Size:	4610 bp
RefSeq ORF:	579 bp
Locus ID:	69721
UniProt ID:	Q8CEC5
Cytogenetics:	14 A1
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 mediating cytoplasmic retention 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] Transcript Variant: This variant (1) encodes the longest isoform (1).

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