OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC230432

NKRF (NM_001173488) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NKRF (NM_001173488) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NKRF
Synonyms:	ITBA4; NRF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC230432 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAAAAAATTCTCCAAATGGCTGAAGGTATTGATATTGGGGAGATGCCTTCATATGATCTGGTGCTGT
CCAAACCTTCCAAAGGTCAAAAACGCCACCTCTCAACATGTGATGGTCAAAATCCTCCTAAAAAGCAAGC
CGGTTCCAAATTCCATGCGAGACCTCGTTTTGAGCCTGTACATTTTGTAGCTAGTAGTTCAAAAGATGAA
AGACAGGAAGATCCTTATGGCCCTCAAACAAAAGAGGTAAATGAACAAACACATTTTGCCAGCATGCCAA
GAGACATCTACCAAGATTATACTCAAGACTCTTTCAGTATACAAGATGGGAATTCTCAGTATTGTGATTC
ATCAGGATTCATTCTCACAAAAGACCAGCCTGTAACAGCCAACATGTATTTTGACAGTGGGAACCCTGCC
CCAAGCACCACATCACAGCAGGCAAACTCTCAGTCAACTCCTGAGCCTTCACCATCACAGACATTTCCCG
AGTCTGTGGTAGCCGAGAAGCAGTATTTTATTGAAAAATTAACGGCGACAATCTGGAAGAACCTTTCTAA
TCCAGAAATGACTTCTGGATCTGATAAAATTAATTATACATATATGTTAACTCGTTGTATTCAGGCGTGT
AAGACAAATCCTGAGTATATATATGCTCCTTTAAAGGAAATTCCTCCTGCCGACATCCCCAAAAATAAAA
AACTTCTAACTGATGGCTATGCTTGTGAAGTTAGATGCCAAAATATCTACTTAACTACAGGTTATGCTGG
CAGCAAGAATGGGTCCAGGGATCGAGCTACAGAGCTAGCTGTAAAACTCTTGCAGAAACGTATTGAAGTT
AGAGTTGTCCGGCGGAAATTCAAGCATACATTTGGAGAGGACCTCGTGGTGTGTCAGATTGGCATGTCCT
CCTATGAATTTCCTCCAGCTCTGAAGCCACCAGAAGACCTGGTGGTGCTGGGTAAAGATGCTTCCGGGCA
GCCAATTTTTAATGCTTCTGCCAAACACTGGACCAATTTTGTCATTACAGAAAATGCAAATGATGCAATT
GGTATCCTTAACAATTCTGCCTCATTCAACAAGATGTCAATTGAATACAAATATGAGATGATGCCAAATC
GCACATGGCGTTGTCGAGTGTTTTTACAAGATCACTGCTTAGCTGAAGGTTATGGAACCAAGAAAACAAG
TAAACATGCAGCTGCCGACGAGGCTTTGAAAATTCTTCAAAAAACACAGCCCACTTATCCATCTGTCAAA
AGTTCACAATGCCATACAGGCTCTTCACCCAGAGGATCTGGAAAGAAGAAAGATATAAAGGATCTTGTAG
TTTATGAGAATTCTTCAAATCCCGTGTGCACGCTGAACGACACAGCTCAGTTTAACCGAATGACAGTTGA
GTATGTCTATGAAAGGATGACAGGCCTCCGCTGGAAATGCAAAGTGATTCTAGAGAGTGAAGTAATTGCA
GAAGCAGTTGGGGTGAAGAAAACTGTCAAATATGAAGCTGCTGGGGAAGCTGTGAAAACCCTCAAAAAGA
CCCAGCCAACTGTCATTAACAACTTGAAGAAAGGAGCTGTTGAAGATGTGATTTCAAGAAATGAAATTCA
GGGCCGCTCAGCAGAGGAGGCTTACAAACAGCAAATCAAAGAAGATAATATTGGAAATCAGCTGCTGAGA
AAGATGGGTTGGACTGGTGGTGGTTTAGGTAAATCTGGTGAGGGCATACGGGAGCCTATCTCAGTGAAAG
AGCAGCATAAGCGGGAAGGGCTTGGTCTGGATGTAGAGAGGGTGAATAAAATTGCCAAGAGAGATATTGA
ACAGATCATCAGAAACTACGCCCGCTCCGAGAGCCACACAGATTTGACTTTCTCTAGAGAGCTGACTAAT
GATGAACGGAAGCAAATACATCAGATTGCCCAGAAGTATGGTCTTAAGAGTAAGTCTCATGGGGTGGGCC
ATGATAGGTACCTAGTGGTAGGTAGAAAAAGACGGAAGGAAGACCTACTAGATCAGCTCAAACAGGAAGG
CCAAGTGGGCCATTACGAGCTTGTTATGCCTCAAGCAAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230432 protein sequence
Red=Cloning site Green=Tags(s)

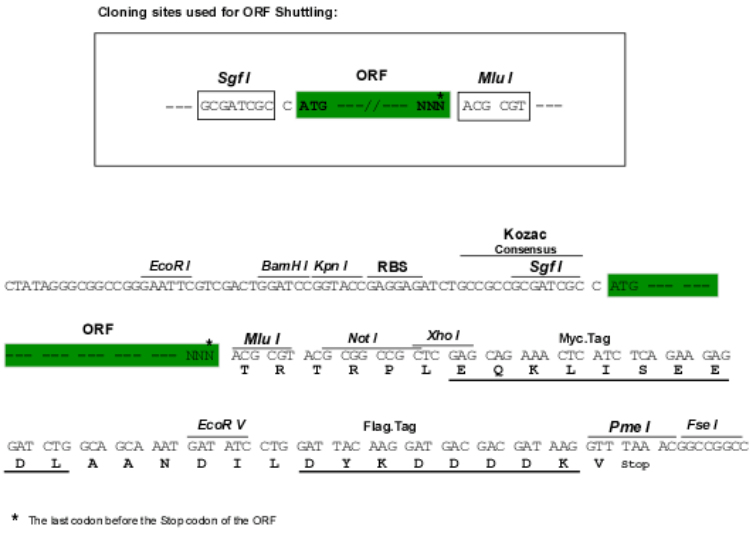
MEKILQMAEGIDIGEMPSYDLVLSKPSKGQKRHLSTCDGQNPPKKQAGSKFHARPRFEPVHFVASSSKDE
RQEDPYGPQTKEVNEQTHFASMPRDIYQDYTQDSFSIQDGNSQYCDSSGFILTKDQPVTANMYFDSGNPA
PSTTSQQANSQSTPEPSPSQTFPESVVAEKQYFIEKLTATIWKNLSNPEMTSGSDKINYTYMLTRCIQAC
KTNPEYIYAPLKEIPPADIPKNKKLLTDGYACEVRCQNIYLTTGYAGSKNGSRDRATELAVKLLQKRIEV
RVVRRKFKHTFGEDLVVCQIGMSSYEFPPALKPPEDLVVLGKDASGQPIFNASAKHWTNFVITENANDAI
GILNNSASFNKMSIEYKYEMMPNRTWRCRVFLQDHCLAEGYGTKKTSKHAAADEALKILQKTQPTYPSVK
SSQCHTGSSPRGSGKKKDIKDLVVYENSSNPVCTLNDTAQFNRMTVEYVYERMTGLRWKCKVILESEVIA
EAVGVKKTVKYEAAGEAVKTLKKTQPTVINNLKKGAVEDVISRNEIQGRSAEEAYKQQIKEDNIGNQLLR
KMGWTGGGLGKSGEGIREPISVKEQHKREGLGLDVERVNKIAKRDIEQIIRNYARSESHTDLTFSRELTN
DERKQIHQIAQKYGLKSKSHGVGHDRYLVVGRKRRKEDLLDQLKQEGQVGHYELVMPQAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6155_e08.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001173488

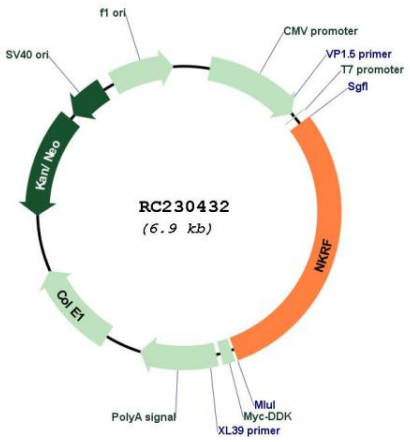
ORF Size: 2070 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001173488.1, NP_001166959.1
RefSeq Size:	3747 bp
RefSeq ORF:	2073 bp
Locus ID:	55922
UniProt ID:	O15226
Cytogenetics:	Xq24
Protein Families:	Transcription Factors
MW:	77.7 kDa
Gene Summary:	This gene encodes a transcriptional repressor that interacts with specific negative regulatory elements to mediate transcriptional repression of certain nuclear factor kappa B responsive genes. The protein localizes predominantly to the nucleolus with a small fraction found in the nucleoplasm and cytoplasm. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Mar 2010]

Product images:



Circular map for RC230432