

## Product datasheet for **RC230446**

### **NKRF (NM\_001173487) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NKRF (NM_001173487) 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)



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**ORF Nucleotide  
Sequence:**

>RC230446 representing NM\_001173487  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCTTTATGTTACCTCTCATCTTCAGGTACAGCCACGCTTGATGGAAAAATTCTCCAATGGCTG  
 AAGGTATTGATATTGGGGAGATGCCTTCATATGATCTGGTGTGTCCAAACCTTCCAAGGTCAAAAACG  
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 ATGCCTCAAGCAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC230446 representing NM\_001173487  
Red=Cloning site Green=Tags(s)

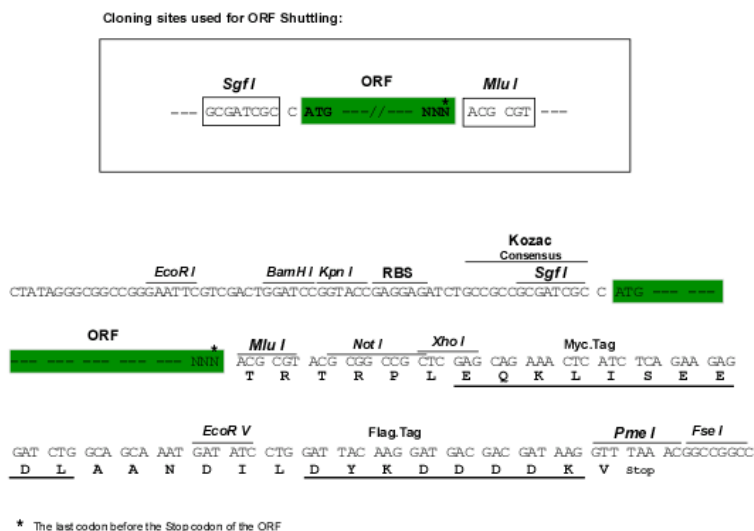
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 LKILQKTQPTYPSVKSSQCHTGSPPRGSGKKKIDKDLVYENSSNPVCTLNDAQFNRMVVEVYERMTG  
 LRWKCKVILESEVIAEAVGVKTKVYEAAGEAVKTLKKTQPTVINNLKKGAVEDVISRNEIQGRSAEEAY  
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 SESHTDLTFSREL TNDERKQIHQIAQKYGLKSKSHGVGHDRYL VVGRKRRKEDLLDQLKQEGQVGHYELV  
 MPQAN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**ACCN:** NM\_001173487

**ORF Size:** 2115 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\\_001173487.1](#), [NP\\_001166958.1](#)

**RefSeq ORF:** 2118 bp

**Locus ID:** 55922

**UniProt ID:** [O15226](#)

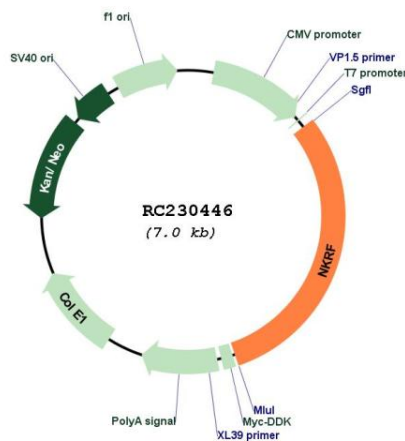
**Cytogenetics:** Xq24

**Protein Families:** Transcription Factors

**MW:** 79.9 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 RC230446