

Product datasheet for MR205491

Nfkbib (NM_010908) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfkbib (NM_010908) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfkbib
Synonyms:	I(Kappa)B(beta); I-kappa-B-beta; Ik; IKapp; IKappaBbeta; IkB; ikB-B; IKB-beta; IkBb; NF-kappa-BIB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205491 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGGTCGCGTGCTTGGGAAAACCTGCGGATGCCGATGAATGGTGCACAGCGGCCCTGGGCTCTC
TAGGTCCCAGCAGCGGCTCCCGAGGACCAGGTCTGGGCGCAGAGCTTGGCCAGAGCTGTCGTGGG
GCCCTTAGTCTTTGGCTACGTCAGTACTGAGGATGGGACACAGCCCTGCACTTGGCTGTGATTCATCAGCAT
GAGCCCTTCTGGATTTCTCCTGGGCTTCTCCGCGGCACCGAGTACCTTGACCTGCAGAATGACCTAG
GCCAAACAGCCCTGCATCTAGCAGCCATCCTTGGGAGGCATCTACAGTAGAGAAGTTGTATGCAGCCGG
TGCAGGAGTGTTGGTGGCTGAGAGAGGGGGCCACACGGCATTGCACTTGGCTGCCGGTTCAGGGCACAC
ACGTGCGCGTGCGTACTGCTCCAGCCCCGTCCAGCCACCAAGAGATGCCTCAGATACCTACCTCACTC
AGAGCCAGGACTGTACCCAGACACCAGCCATGCCCTGTGCCGTGGATTCCCAACCAACCCAGAGAA
CGAAGAGGAGCCGCGTGATGAAGACTGGAGGCTACAACCTAGAAGCTGAAAACCTATGATGGCCATACCCCA
CTCCATGTAGCTGTCATCCACAAGATGCAGAGATGGTCCGGCTACTCAGGGATGCCGGAGCTGACCTCA
ATAAACCGGAGCCTACGTGTGGCCGGACCCCTCTGCACCTGGCAGTAGAAGCCAGGCAGCCAGCGTGCT
GGAACCTTCTCTGAAAGCCGGTGTGACCCACCGCCCGCATGTATGGGGCCCGACCCCACTTGGCAGT
GCCCTGCTCCGGCCCAACCCATCCTTGGCCGCTCCTCCGTGCACATGGGGCCCTGAACCTGAGGACG
AGGACGATAAGCTTAGCCCTTGCAGCAGCAGCGCAGCAGTACAGTACAGTACAGAGATGAGGGCGA
TGAATATGATGACATCGTGGTTACAGTGGCAGGAGCCAAAACCGACAACCGCCTTCCCGGCATCCAAA
CCTCTTCTGATGACCCAGCCCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



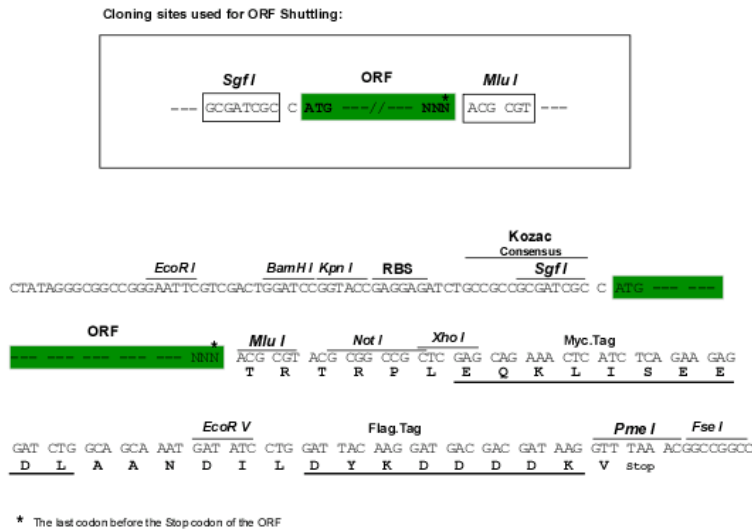
Protein Sequence: >MR205491 protein sequence
 Red=Cloning site Green=Tags(s)

MAGVACLGKTADADEWCDSGLGSLGPDAAAPGGPGLGAELGPEL SWAPLVFGYVTEGDGTALHLAVIQH
 EPFLDFLLGFSAGTEYLDLQNDLGQTALHLAAIILGEASTVEKL YAAGAGVLVAERGGHTALHLACRVRAH
 TCACVLLQPRPSHPRDASDTYLTQSQDCTPDTSHAPAAVDSQPNPENEEPRDEDWRLQLEAENYDGHPT
 LHVAVIHKDAEMVRLLRDAGADLNKPEPTCGRTPLHLAVEAQAASVLELLLKAGADPTARMYGGRTPLGS
 ALLLRPNPILARLLRAHGAPPEDEDDKLSPCSSSGSDSDSDNRDEGDEYDDIVVHSGRSQNRQPPSPASK
 PLPDDPSPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010908

ORF Size: 1080 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_010908.2](#), [NM_010908.3](#), [NM_010908.4](#), [NM_010908.5](#), [NP_035038.2](#)

RefSeq Size: 1945 bp

RefSeq ORF: 1080 bp

Locus ID: 18036

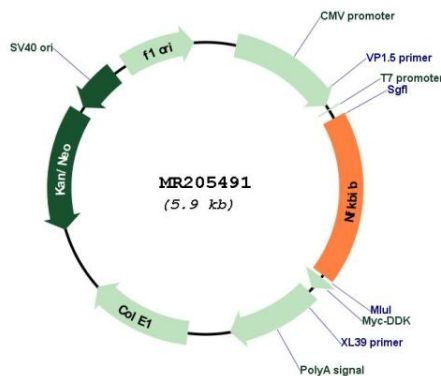
UniProt ID: [Q60778](#)

Cytogenetics: 7 B1

MW: 37.9 kDa

Gene Summary: This gene encodes an inhibitor of nuclear factor kappa-light-chain-enhancer of activated B cells (NF-kappaB). The encoded protein prevents NF-kappaB-mediated transcription activation by sequestering it in the cytosol. In response to signals that induce NF-kappaB, such as cytokines and growth factors, the encoded protein undergoes phosphorylation, triggering its rapid ubiquitination and proteasomal degradation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]

Product images:



Circular map for MR205491