

Product datasheet for **MG205491**

Nfkbib (NM_010908) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfkbib (NM_010908) Mouse Tagged ORF Clone
Tag:	TurboGFP
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-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205491 representing NM_010908 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGGGTTCGCTGCTTGGGAAAACCTGCGGATGCCGATGAATGGTGCACAGCGCCCTGGGCTCTC
TAGGTCCCAGCAGCGGCTCCCGAGGACCAGGTCTGGGCGCAGAGCTTGGCCAGAGCTGTCGTGGG
GCCCTTAGTCTTTGGCTACGTCAGGATGGGACACAGCCCTGCACTTGGCTGTGATTCATCAGCAT
GAGCCCTTCTGGATTTCTCCTGGGCTTCTCCGCGGCACCGAGTACCTTGACCTGCAGAATGACCTAG
GCCAAACAGCCCTGCATCTAGCAGCCATCCTTGGGGAGGCATCTACAGTAGAGAAGTTGTATGCAGCCGG
TGCAGGAGTGTGGTGGCTGAGAGAGGGGGCCACACGGCATTGCACTTGGCTGCCGGTTCAGGGCACAC
ACGTGCGCGTGCCTACTGCTCCAGCCCCGTCCAGCCACCAAGAGATGCCTCAGATACCTACCTCACTC
AGAGCCAGGACTGTACCCAGACACCAGCCATGCCCTGTGCCGTGGATTCCCAACCAACCCAGAGAA
CGAAGAGGAGCCGCTGATGAAGACTGGAGGCTACAACCTAGAAGCTGAAAACCTATGATGGCCATACCCCA
CTCCATGTAGCTGTCATCCACAAGATGCAGAGATGGTCCGGCTACTCAGGGATGCCGGAGCTGACCTCA
ATAAACCGGAGCCTACGTGTGGCCGGACCCCTCTGCACCTGGCAGTAGAAGCCAGGCAGCCAGCGTGCT
GGAACCTTCTCTGAAAGCCGGTGTGACCCACCGCCCGCATGTATGGGGCCCGACCCCACTTGGCAGT
GCCCTGCTCCGGCCCAACCCATCCTTGGCCGCTCCTCCGTGCACATGGGGCCCTGAACCTGAGGACG
AGGACGATAAGCTTAGCCCTTGCAGCAGCAGCGCAGCAGTACAGTACAGTACAGAGATGAGGGCGA
TGAATATGATGACATCGTGGTTACAGTGGCAGGAGCCAAAACCGACAACCGCTTCCCCGGCATCCAAA
CCTCTTCTGATGACCCAGCCCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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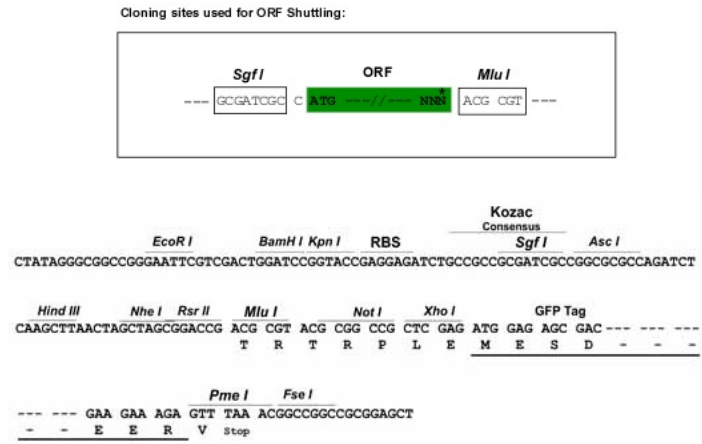
Protein Sequence: >MG205491 representing NM_010908
 Red=Cloning site Green=Tags(s)

MAGVACLGKTADADEWCDSGLGSLGPDAAAPGGPGLGAELGPEL SWAPLVFGYVTEGDGTALHLAVIHQH
 EPFLDFLLGFSAGTEYLDLQNDLQGTALHLAAIIGEASTVEKL YAAGAGVLVAERGGHTALHLACRVRAH
 TCACVLLQPRPSHPRDASDTYLTQSQDCTPDT SHAPAAVDSQPNPENEEPRDEDWRLQLEAENYDGHTP
 LHVAVIHKDAEMVRLLRDAGADLNKPEPTCGRTPLHLAVEAQAASVLELLLKAGADPTARMYGGRTP LGS
 ALLLRPNPILARLLRAHGAPPEDEDDKLSPCSSSGSDSDSDNRDEGDEYDDIVVHSGRSQNRQPPSPASK
 PLPDDPSPA

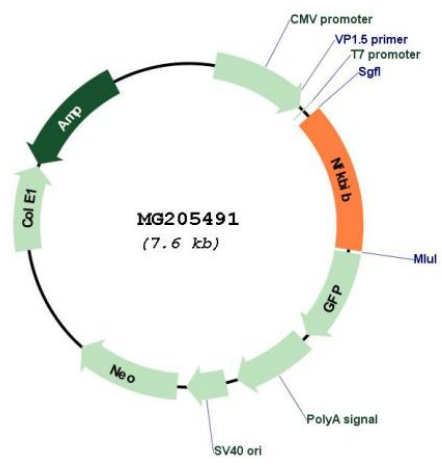
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010908

ORF Size:	1077 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:	<ol style="list-style-type: none">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_010908.4 , NP_035038.2
RefSeq Size:	1945 bp
RefSeq ORF:	1080 bp
Locus ID:	18036
UniProt ID:	Q60778
Cytogenetics:	7 B1
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]