

Product datasheet for **MC204606**

Nfkbiz (NM_030612) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Nfkbiz
Synonyms:	AA408868; INAP; Mail
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058188
 GGCCGACGCCAACCGCTAGCCATCCGGTGGCGCAGGTGTCTGGGGACCCCGAGCGCCTAGCCTGGGAGC
 ATGATCGTGGACAAGCTGCTGGACGACAGCCGCGGCGGAGAGGGGCTGCTGGACGCGCCGGCGACTGCG
 GGCTCATGACGAGCCCGCTCAACCTGGCTTACTTCTACGGCGCCTCGCCTCCTTCCGCCCCCGCGCCGG
 CGACACCGGCTACCTGTCCGCGTGCCTCCGCGCCCGGCTCGCCCGGCTCCGACTCCTCCGATTCTCC
 TCCACTTCTCCGTGTCTCCTGCGGGGCGTGGAGTCCCGTCCCAGAGGTGGCGCCCGCGCCGAGCGCC
 CTCAAGTTGAGCCACATGGGGTTGGCAGGCAGCAGAGAGGCCCTTTCAAGGTGTTGCGTGAAGAA
 CTCGGTGAAGGAGCTCCTGCTACACATCCGAAGCAACAAGCAGAAGGCTTCCGCGCCAGCCCGTGGATGAG
 TTTAAGACACAGAGTGTGAACATTGAGCAGCTGACAGACCTGAAGAGTGCAGTGTCCGAGTGGGGAAAA
 GAAAGGGACCCGATCCTCTGTCCGATGGACCGGTTTGAAGAGGCCAGCTCTGTTGCCTTCTCACTTCGT
 GACATCACCGCAACGCTACACCTGGGGAGAGCATGGAAGATGTTGCCACAGCGAATCCAAGCTGGAT
 AGCAGCGCTGCCCTGCTTCAAGATATTATAAATCAAGAATGAGTGCAACCCAGTTTCACTAAACACTG
 TTCAGTTAGCTGGATGAGCCACAGGTTCCCAAGAACTCGCAAGAGACCAAGTCCAGGATTTCCATG
 AGGCCAGGCCCTTCTCCACCTCAGAAATACCAACCGTTCCAAGTCAAGTGGCTCTCCACAGATGATGGAC
 CAGCGCTCAATGTACAGTATTCGCCACAAACACAGAACATGCAGCAGCCGCGCCGCTGCCACCACAGC
 AGCAACATCAACAGAAATATCCCAACAACCTACCCCTGCAGTTCAGTCTTACTCCAGAAATGCCAGTC
 TCCCAAGTATGATTCAACCTCTTTGATACTCACGAGCCACAGTTCGACGCGGCAAAAGTTTTGTGTCT
 TTAAGTACTGGCCCGGGGAACCCGAGTCTCTTGTCTTCCGTTCCGCTCCACACGATTCCACCCC
 AAAGTGAAGTCAAGTGCAGACCTTCAAGTCAAGTGCCTGCGAGGCCGTCGTGGGGTGA
 CGATGTGGGCTCGCACTCTTTGGGACGTCCTGTCACTCCAGAACATCATGGGAAGCCGATGAATACC
 ACCCAGCTGGGGAAGTCATTTTTTCAAGTGGCAGGTAGAGCAGGAAGAAAGCAAAATGGCAAAATATCCCC
 AGGACAGTTCCTCGTAGGGACGGAGATGGTGACACGTTTCTCCATATTGCTGTTGCCAAGGGAGGCG
 AGCGCTCTCGTATGTCTTGAAGAAAGATGAACGCTCTTACATGCTGGACATTAAGGAGCACAATGGA
 CAGAGTGCCTTTCAGGTGGCGTAGCTGCAATCAGCACCTCATTGTGCAAGATCTGGTAAACCTTGGTG
 CCCAGGTGAACACCACGATTGCTGGGGAAGGACACCTCTGCATGTCTGTGCGGAGAAGGGCCACTCCCA
 GGTGCTCCAGGCCATCCAGAAGGGAGCTGTGAGGAGCAATCAGTTTGTGGATCTTGAGGCAACGAATAT
 GATGGCCTGACTCCCTACATTGCGCGTCTGTGGCTCACAATGCGGTGGTGACGAAGTGCAGAGGAATC
 GGCAGTCTCATTCGCCGAAAGTGCAGGACCTTTACTAAGGAATAAGAGCCTGGTAGACACCATTAAGTG
 TCTGATTAGATGGGAGCCGAGTGGAGGCAAGGATCGTAAGAGTGGCCGACAGCCCTGCACTTGGCA
 GCGGAAGAAGCAATCTGGAACCTATTGCGCTCTTTTGGAGTTGCCAGTTGCCTGTCTTTCGTGAATG
 CCAAGGCTTACAATGGAACACCGCCCTCCATGTTGCTGCCAGCCTGCAGTATCGGGTGACACAGTTGGA
 CGCAGTCCGCTGTTGATGAGGAAGGGAGCTGACCCAGTACTCGGAAGTGGAGAATGAACAGCCCGTG
 CATTTGGTCCCGATGGCCAGTGGGAGAACAGATCCGACGTATCCTGAAGGGGAAGTCCATTACAGCAGC
 GAGCACCACCACTAGGTCCACTGGCGTGGAGCCTGGTTACGCGACACTCACTGTCAGTTAGGCAGTCC
 TGATGTATCTGTACATAGACCATTTGCCCTGTATTGGCAATGTAAGTTGTTTCTATGAAACAAACCAT
 TTAGTTCACTATTATATAGTGGATTATATTAAGAAAGAAAGAGACAGATATCTAATTTTCTTGGCAGATT
 TGGCTATTTTATACCCAGGTATCTGGGATCTATATATCTGAATTTGATCTTGAATGGTAAATACCTTC
 GATAACCAAGTCTTTCAGGTAGGGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_030612

Insert Size: 2187 bp

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC058188</u> , <u>AAH58188</u>
RefSeq Size:	2560 bp
RefSeq ORF:	2187 bp
Locus ID:	80859
UniProt ID:	<u>Q9EST8</u>
Cytogenetics:	16 C1.1
Gene Summary:	Involved in regulation of NF-kappa-B transcription factor complexes. Inhibits NF-kappa-B activity without affecting its nuclear translocation upon stimulation. Inhibits DNA-binding of RELA and NFKB1/p50, and of the NF-kappa-B p65-p50 heterodimer and the NF-kappa-B p50-p50 homodimer. Seems also to activate NF-kappa-B-mediated transcription. In vitro, upon association with NFKB1/p50 has transcriptional activation activity and, together with NFKB1/p50 and RELA, is recruited to LCN2 promoters. Promotes transcription of LCN2 and DEFB4. Is recruited to IL-6 promoters and activates IL-6 but decreases TNF-alpha production in response to LPS. Seems to be involved in the induction of inflammatory genes activated through TLR/IL-1 receptor signaling. May promote apoptosis (By similarity). Involved in the induction of T helper 17 cells (Th17) differentiation upon recognition of antigen by T cell antigen receptor (TCR) (PubMed:25282160).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript. Variants 1 and 2 both encode the same isoform (a).