

Product datasheet for **MC209027**

Nfkbia (NM_010907) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nfkbia (NM_010907) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nfkbia
Synonyms: A1462015; Nfkb1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC209027 representing NM_010907
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTTTCAGCCAGCTGGGCACGGCCAGGACTGGGCCATGGAGGGCCCGGGGATGGCCTCAAGAAGGAGC
GCTTGGTGGACGATCGCCACGACAGCGGCTGGACTCCATGAAGGACGAGGAGTACGAGCAAATGGTGAA
GGAGCTGCGGGAGATCCGCCTGCAGCCGAGGAGGCGCCGCTGGCCGCGAGCCCTGGAAGCAGCAGCTC
ACGGAGGACGGAGACTCGTTCCTGCACTTGGCAATCATCCACGAAGAGAAGCCGCTGACCATGGAAGTCA
TTGGTCAGGTGAAGGGAGACCTGGCCTTCTCAACTTCCAGAACAACCTGCAGCAGACTCCACTCCACTT
GGCTGTGATACCAACCAGCCAGGAATTGCTGAGGCATTCTGAAAGCTGGCTGTGATCCTGAGCTCCGA
GACTTTCGAGGAAATACCCCTCTACATCTTGCCTGTGAGCAGGGCTGCCTGGCCAGTGTAGCAGTCTTGA
CGCAGACTGCACACCCAGCATCTCCACTCCGTCCTGCAGGCCACCAACTACAATGGCCACACGTGTCT
GCACCTAGCCTCTATCCACGGCTACCTGGCCATCGTGGAGCACTTGGTGACTTTGGGTGCTGATGTCAAC
GCTCAGGAGCCCTGCAATGGCCGGACAGCCCTCCACCTTGCCTGGACCTGCAGAATCCTGACCTGGTTT
CGCTCTTGTGAAATGTGGGGCTGATGTCAACAGGGTAACCTACCAAGGCTACTCCCCCTACCAGCTTAC
CTGGGGCCGCCAAGTACCCGGATACAGCAGCAGCTGGCCAGCTGACCCCTGGAAATCTCCAGATGCTA
CCCGAGAGCGAGGATGAGGAGAGCTATGACACGGAGTCAGAATTCACAGAGGATGAGCTGCCCTATGATG
ACTGTGTGTTTGGAGGCCAGCGTCTGACATT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2135_e08.zip

Restriction Sites: SgfI-MluI



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ACCN:	NM_010907
Insert Size:	945 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC046754 , AAH46754
RefSeq Size:	1592 bp
RefSeq ORF:	945 bp
Locus ID:	18035
UniProt ID:	Q9Z1E3
Cytogenetics:	12 C1
Gene Summary:	Inhibits the activity of dimeric NF-kappa-B/REL complexes by trapping REL dimers in the cytoplasm through masking of their nuclear localization signals. On cellular stimulation by immune and proinflammatory responses, becomes phosphorylated promoting ubiquitination and degradation, enabling the dimeric RELA to translocate to the nucleus and activate transcription.[UniProtKB/Swiss-Prot Function]