

Product datasheet for **MC205530**

Ikbkg (NM_010547) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ikbkg (NM_010547) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ikbkg
Synonyms:	1110037D23Rik; AI848108; AI851264; AW124339; IKK[g]; NEMO
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC021431
 CCACGCGTCCGAAGACATAGAACCTGCTCTCCTTGTGTTTGGCTCAGCCTGCAACTGACAGTCTGCCTGGC
 TTCAAGTACCCCAAGGGAGGTGAGGAGGAAGAAGTGTACTGGGTGGTGTCTTAGCACCTGTGATGGTCC
 AAGTCTGGTCTCCACTCAATGGCTCAGCACAGAGTTCTGAGATGTGACACAAGTACATGTATATCAGGTA
 CTGCTGTGATGATCAGGACACACAGACTGTCTGTTGGATGAACAAGCACCCCTGGAAGAACCAGCTG
 AGTGAGATGGTGCAGCCAGTGGTGGCCAGCAGAGGACCAGGACATGCTGGGTGAAGAATCTTCTCTGG
 GGAAGCCTGCAATGTACATCTGCCTTCAGAGCAGGGTACTCCTGAGACCCTCCAGCGCTGCCTGGGAAGA
 GAATCAAGAGCTCCGAGACGCTATCCGGCAGAGCAATCAGATGCTGAGGGAACGCTGTGAGGAGCTGCTG
 CATTTCAGGTACGCCAGCGGGAGGAGAAGGAGTTCCTTATGTGCAAATTCAGGAAGCCCGGAAGCTGG
 TGGAGAGACTGAGCTTGGAGAAGCTTGATCTTCGGAGTCAGAGGGAACAGGCCTTAAAGGAGTTGGAGCA
 ACTGAAGAAATGCCAACAGATGGCTGAGGACAAGGCCTCTGTGAAAGCTCAGGTGACATCATTGCTCGGA
 GAACTCCAGGAGAGCCAGAGCCGTTTGGAGGCTGCCACCAAGGATCGGCAAGCTTTAGAGGGAAGGATTC
 GAGCAGTTAGTGAGCAGGTGAGACAGCTGGAGAGTGAGCGGGAGGTGCTACAGCAGCAGCACAGCGTCCA
 GGTGGACCAGCTCGTATGCAGAACCAGAGCGTGGAGGCTGCCTTGCGAATGGAGCGGCAGGCTGCTTCA
 GAGGAGAAGCGGAAGCTGGCTCAGTTGCAGGCAGCCTATCACCAGCTCTCCAAGACTACGACAGCCACA
 TTAAGAGCAGCAAGGGCATGCAGCTGGAAGATCTGAGGCAACAGCTCCAGCAAGCTGAGGAGGCCCTGGT
 AGCCAAACAGGAATTGATTGATAAGCTGAAAGAGGAGGCTGAGCAGCACAAAGATTGTGATGGAGACTGTG
 CAGTCTTGAAGGCCAGGCGGATATCTACAAGGCTGACTTCAAAGCTGAGAGGCATGCCCGGGAGAAGC
 TGGTGGAGAAGAAGGAGTATTTGCAGGAGCAGCTGGAGCAGCTGCAGCGCGAGTTCAACAAGCTGAAAGT
 TGGCTGCCATGAGTCAGCCAGGATTGAGGATATGAGGAAGCGGCATGTAGAGACTCCCAGCCTCCTTTA
 CTCCTGCTCCAGCTCACCCTCCTTTTCAATTTGGCCTTGTCCAACCAGCGGAGGAGCCCTCCTGAAGAAC
 CTCTGACTTCTGTTGTCCGAAGTGCCAGTATCAGGCTCCTGATATGGACTCTACAGATACATGTGCAT
 GGAGTGCATAGAGTAGGAGCAGCAGATGCAAGGCCACTTGCAGTACTATGTCCTGATCTGTGTGACTTGT
 GCTTTCTGTTTTACCTGCATAGTCCACACTTAAGGGCTTGTCTTACCCCTTTGGTCCCCATTTAGGGT
 AGACAGCCCCATTAGGGCTTTTTTTTTTCTGTGTGCCTGATCCAGTTTGCCTCTGGTGGCTTCTCCCT
 CTTCTCCCATAGTCTAGGGAGTCTAGAATGGAGGCCAGGGGCTTAGGGAGCATCCCTTCTCCAAGCA
 GGTCTGGGTACAGCTTTTCTCTCCAAGTACCTTTCTTGGCGGTGAACTGCAGGCTCTCCTCCCA
 GGGCATGTGGCACTTGGGTCTATAACATGTGTTACCTCTGGTAGACATGTGGAAGTATTCTGCTTTTT
 GTTACTGTAATTAATGGTGTAGTAAAGTACTTGTACACTGATCTGTGTACCTTTAGGACAGATGCTT
 AGATGTGACATTGGATCCTTGCCTGGAGGAGTGGGCAGACCTTTGGATTTTTGCCATCTAAGATAT
 ACCATTCTTAAAGAAATTTGCTTAAGTGTCTTTTTCTGGGCATGTGGGCCCTTTTTAATTCCTCTG
 ATGTAACCTGGATTTTCATAATTCCTACCCATTTTCTGTTGGGACATTGCCATTTGTTCTTGGGCTTTG
 TAGAGCTTTTTGATTATCAGTCAGGTTGGTTTTGACTATTACAGAAGTGACCCCTTGTTCACAAAAAAA
 AA

Restriction Sites: RsrII-NotI

ACCN: NM_010547

Insert Size: 1236 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.

RefSeq: [BC021431](#), [AAH21431](#)

RefSeq Size: 2282 bp

RefSeq ORF: 1236 bp

Locus ID: 16151

UniProt ID: [O88522](#)

Cytogenetics: X A7.3

Gene Summary: Regulatory subunit of the IKK core complex which phosphorylates inhibitors of NF-kappa-B thus leading to the dissociation of the inhibitor/NF-kappa-B complex and ultimately the degradation of the inhibitor. Its binding to scaffolding polyubiquitin seems to play a role in IKK activation by multiple signaling receptor pathways. Also considered to be a mediator for TAX activation of NF-kappa-B. Could be implicated in NF-kappa-B-mediated protection from cytokine toxicity. Involved in TLR3- and IFIH1-mediated antiviral innate response; this function requires 'Lys-27'-linked polyubiquitination.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) differs in the 5' UTR and coding sequence compared to variant 3. The resulting isoform (1) is shorter at the N-terminus compared to isoform 3. Variants 1 and 6 both encode the same isoform. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.