

Product datasheet for **RR206875**

Ikbkg (NM_199103) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ikbkg (NM_199103) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ikbkg
 Synonyms: Nemo
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR206875 representing NM_199103
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAGGCACCTCTGGAAGAATCAGTTGAGTGAGATGGTGCAACCCAGTGGTGGCCAGCAGAGGACC
 AGGACATGCTGGGTGAAGAATCTTCTCTGGGGAAGCCAGCAATGCTACATCTTCCTTCAGAGCAGGGTAC
 TCCTGAGACCCTCCAGCGCTGTCTGGAAGAGAATCAAGAACTCCGAGATGCTATCCGGCAGAGCAATCAG
 ATGCTGAGGGAACGCTGTGAGGAGCTGCTGCATTTCCAGGTGAGCCAGCGGGAGGAGAAGGAGTTCTCTCA
 TGTGCAAATTCAGGAAGCCAGGAAGCTGGTGGAGAGACTGAGCTTGGAGAAGCTTGACCTGCGGAGGCA
 GAGAGAACAGGCCTTAGAGGATTTGGAGCATCTGAAGAAATGCCAACAGCAGATGGCTGAGGACAAGGCC
 TCTGTGAAAGCTCAGGTGACATCATTGCTGGGGAACTCCAGGAGAGCCAGAGTCGTTTGGAGGCTGCTA
 CCAAGGAACGACAACTTTAGAGGGAAGGATTCGAGCAGTTAGTGAGCAGGTGAGACAGCTGGAGAGTGA
 GCGGGAGGTGCTGCAGCAGCAGCACAGTGTCCAGGTGGACCAACTGCGCATGCAGAACAGAGTGTGGAG
 GCTGCCTTGCGAATGGAGCGACAGGCTGCTTCAGAGGAGAAGCGGAAGCTGGCTCAGTTGCAGGCAGCCT
 ATCACCACCTCTCCAAGACTATGACAGCCACATTAAGAGCAGCAAGGGCATGCAGCTGGAAGATCTGAG
 GCAGCAGCTCCAGCAAGCTGAGGAGGCCCTGGTAGCCAAACAGGAATTGATTGATAAGCTGAAAGAGGAA
 GCTGAGCAGCACAAAGATTGTCATGGAGACCCTTCAGTCTTAAAAGCCAGGCGGACATCTACAAGGCTG
 ACTTCCAAGCTGAGAGGCATGCCCGGGAGAAAAGTGGTGGAGAGGAAGGAGCTTTTGCAGGAGCAGTTGGA
 GCAGCTGCAGCGGAGTTCAACAAGTTGAAAGTTGGCTGCCATGAGTCAGCCAGGATTGAGGATATGAGG
 AAGCGCATGTAGAGACTTCCAGCCCCCTTACTCCCTGCTCCAGCTCACCCTCCTTTTCATTTGGCCT
 TGTCACACCGGAGGAGCCCTCCTGAGGAACCACTGACTTCTGTTGTCCAAGTGCCAGTATCAGGC
 TCCTGATATGGACTCTACAGATACATGTCATGGAGTGCATAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR206875 representing NM_199103
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MSRHLWKNQLSEMVQPSGGPAEDQDMLGEESSLGKPAMLHLPSEQGTPETLQRCLEENQELRDAIRQSNQ
 MLRERCEELLHFQVSQREEKEFLMCKFQEARKLVERLSLEKLDLRRQREQALEDLEHLKCKQQMAEDKA
 SVKAQVTSLLGELQESQSRLEAATKERQTLQLEGRIRAVSEQVQRQLESEREVLQQQHSVQVDQLRMQNSVE
 AALRMERQAASEEKRLAQLQAAYHQLFQDYDSHIKSSKGMQLEDLRQQLQQAEEALVAKQELIDKLEKEE
 AEQHKIVMETVPVLLKAQADIYKADFQAERHAREKLVKRELLQEQLQREFNKLKVGCHESARIEDMR
 KRHVETSQPPLLPAHAHSHFLALSNQRRSPPEEPPDFCCPKCQYQAPMDTLQIHVMECIE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

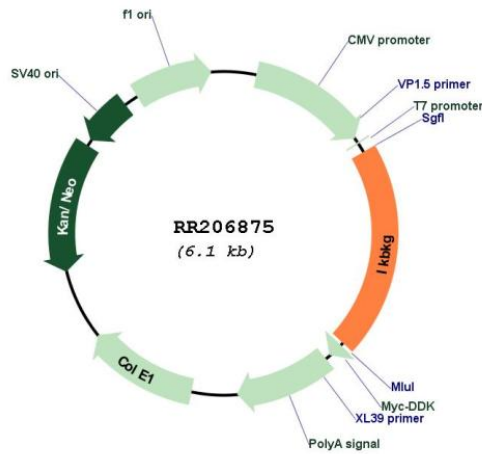
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_199103

ORF Size:	1236 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_199103.1 , NP_954534.1
RefSeq Size:	1239 bp
RefSeq ORF:	1239 bp
Locus ID:	309295
UniProt ID:	Q6TMG5
Cytogenetics:	Xq37
MW:	48.1 kDa
Gene Summary:	regulatory subunit of the I kappa B kinase complex, which phosphorylates and activates NF kappa B [RGD, Feb 2006]