

## Product datasheet for **RR211083**

### **Nfkbia (NM\_001105720) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nfkbia (NM\_001105720) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nfkbia  
**Synonyms:** RL/IF-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR211083 representing NM\_001105720  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTTTCAGCCAGCTGGGCACGGCCAGGACTGGGCCATGGAGGGCCCGGGACGGCCTCAAGAAGGAGC  
GGTTGGTGGACGACCGCCACGACAGCGGCTTGGACTCCATGAAGGACGAGGATTACGAGCAGATGGTGAA  
GGAGCTGCGGGAGATCCGCCTGCAGCCGCAGGAGGCGCCTCTGGCTGCCGAGCCCTGGAAGCAACAGCTC  
ACGGAGGACGGAGACTCGTTCCTGCACTTGGCAATCATCCATGAAGAGAAGACACTGACCATGGAAGTGA  
TTGGTCAGGTGAAGGGAGACCTGGCCTTCTCAACTCCAGAACAACCTGCAGCAGACTCCACTCCACTT  
GGCTGTGATCACCAACCAGCCAGGAATTGCTGAGGCACCTCTGAAAGCTGGCTGTGATCCTGAGCTCCGA  
GACTTTCGAGGAAATACCCCTCTCCATCTTGCCTGTGAGCAGGGCTGCCTGGCCAGTGTAGCAGTCTTGA  
CTCAGACCTGTACGCCCCAGCATCTCCACTCCGTCCTGCAGGCCACCAACTACAACGGCCACACGTGTCT  
ACACTTAGCCTCTATCCATGGCTACCTGGGCATCGTGGAGCACTTGGTACTTTGGGTGCTGATGTCAAC  
GCTCAGGAGCCCTGTAATGGCCGGACAGCCCTCCACCTTGCACTGGACCTGCAGAATCCTGACCTGGTAC  
CGCTCCTGTTGAAGTGTGGGGTGTATGTCAACAGAGTAACCTACCAGGGCTACTCCCCCTACCAGCTTAC  
GTGGGGCCGCCAAGTACCCGGATACAGCAGCAGCTGGGCCAGCTGACCCCTGGAAAATCTTCAGACGCTG  
CCCAGAGTGAGGATGAGGAGAGCTATGACACGGAGTCAGAATTCACGGAAGATGAGTTGCCCTACGATG  
ACTGTGTGTTGGAGGCCAGCGTCTGACGTTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR211083 representing NM\_001105720  
 Red=Cloning site Green=Tags(s)

MFQPAGHGQDWAMEGPRDGLKKERLVDDRHDSDLMSKDEDEYEQMVKELREIRLQPQEAPLAAEPWKQQL  
 TEDGDSFLHLAIHHEEKLTMVEIGQVKGDALFNFNQNNLQQTPLHLAVITNQPGIAEALLKAGCDPELR  
 DFRGNTPLHLACEQGCLASVAVLTQTCTPQHLHSVLQATNYNGHTCLHLASIHGYLGIVEHLVTLGADV  
 AQEPCNGRTALHLAVDLQNPDLVSLLLKCGADVNRVTYQGYSPYQLTWGRPSTRIQQQLTLENLQTL  
 PESEDEESYDTESEFTEDELPYDDCVFVGQRLTL

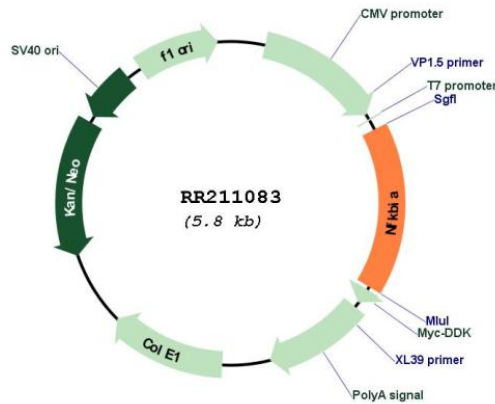
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001105720

**ORF Size:** 942 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001105720.2</a> , <a href="#">NP_001099190.2</a>
<b>RefSeq Size:</b>	1583 bp
<b>RefSeq ORF:</b>	945 bp
<b>Locus ID:</b>	25493
<b>UniProt ID:</b>	<a href="#">Q63746</a>
<b>Cytogenetics:</b>	6q23
<b>MW:</b>	35 kDa
<b>Gene Summary:</b>	inhibitor of NF-kappa-B; binds NF kappa B and retains it in the cytoplasm [RGD, Feb 2006]