

Product datasheet for **RN217379**

Nfkb1 (NM_001276711) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfkb1 (NM_001276711) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nfkb1
Synonyms:	EBP-1; NF-kB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217379 representing NM_001276711
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGACGACGATCCTTTTCGGAAGTGGGCAAAATGTTTCATTTGAATACTGCTTTGACTCACTCCATAT
 TTAATGCAGAATTATATTCAACAGATATACCACTGTCAACAGATGGCCCATACCTTCAAATACTAGAGCA
 ACCGAAACAGAGAGGATTTTCGATTCCGCTACGTGTGCGAAGGCCCGTCCACGGAGGGCTTCCCGGTGCC
 TCCAGTGAGAAGAACAAGAAATCTTACCCGAGGTCAAATTTGCAACTATGTGGGGCTGCAAAGGTTA
 TCGTTCAGTTGGTCACAAATGGAAAAATTTACCTGCACGCCACAGCCTGGTGGCAAGCACTGTGA
 GGACGGCATATGCACCGTGACAGCAGGACCCAAGGACATGGTGGTTGGCTTTGCAAACCTGGGAATACTT
 CACGTGACTAAGAAAAGGTATTCGAAACTGGAAGCACGGATGACAGAGGCGTGTATAAGGGGCTATA
 ACCCTGGACTTCTGGTGCATTCTGACCTTGCCATCTACAGGCAGAAGGGCGAGGAGACCGGCAACTCAC
 AGACAGAGAGAAGGAGATCATCCGCCAGGCAGCTCTGCAGCAGACCAAGGAGATGGACCTGAGTGTGGTG
 CGCCTCATGTTACAGCCTTCTCCCGACAGCACGGGAGCTTCACTCGGAGACTGGAACCTGTGGTGT
 CAGACGCCATCTATGACAGCAAAGCCCCAACCGTCCAACTGAAGATCGTAAGAATGGACAGAACAGC
 AGGCTGCGTGACGGGAGGGGAAGAAATCTATCTTCTGTGACAAGGTCCAGAAAAGATGACATCCAGATT
 CGGTTTTATGAAGAGGAAGAAAATGGTGGAGTTTGGGAAGGATTTGGGGACTTTTCCCCACGGATGTT
 ACAGACAGTTTGCATTGTCTTCAAACACCGAAGTATAAGGATGTCAACATTACAAAGCCAGCTTCCGT
 GTTTGTTACAGTTCGGAGAAAATCGGATTTGGAACTAGTGAACCGAAACCTTCTCTACTACCCCGAA
 ATCAAAGACAAGGAGGAAGTACAGAGGAAACGCCAGAAGCTCATGCCAACTTCTCCGACAGTTTCGGCG
 GCGCAGTGGAGCGGGAGCGGGTGGCGGAGGCATGTTTCGGTGTGGCGGTGGCGGTGGAGGGATACCGG
 AAGTCCTGGCCAGGGTATGGCTTCCCGCACTATGGATTTCTGCTTACGGTGGGATTGCATTCCATCCC
 GGAGCCACTAAATCCAACACAGGCATCACCATGGCACCAATAAACACCAATTTAAAAACGAGCCTAGAG
 ATTGTGCCAAGAGTGACGACAGGGAGATTCTGAATCCCCTGAGAAAAGAAACACAAGGTGAGGGGCCAG
 CCTGTTTCATGGCCAGCACCAAGACCGAAGCAATTGCCCGGCATCCACCATGGAAGACAAGGAAGAGGAT
 GTGGGGTTTTCAGGATAACCTCTTCTTGAAGGCGCTGCAGCTCGCCAAGCGGCATGCCAACGCCCTCT
 TCGACTACGCGTTACGGGAGATGTGAAGATGCTGCTGGCGGTACAGCGCCATCTCACCGCGGTGCAGGA
 TGAGAACGGGGACAGTGTCTACACTTAGCCATCATCCACCTTATGCTCAGCTCGTGGGGATCTGCTA
 GAAGTGACATCTGGTTCGATCTCTGATGACATCATCAACATGAGAAACGATCTGTATCAGACACCTTTGC
 ACTTGGCCGTGATCACCAGCAGGAAGATGTGGTGGAGGACTTGTGAGGGTGGGGCTGACCTGAGTCT
 TCTGGACCGTGGGGCAACTCTGTCTGCACCTAGCTGCCAAAGAAGGACATGATAAAATCCTCGGGGT
 CTAACAAGAACAGCAAGGCAGCACTCCTTATCAACCACCCCAACGGGGAAGGTCTGAATGCCATTACAA
 TAGCTGTGATGAGCAACAGCCTGTATGTCTGCAGCTGCTTGTGGCTGCTGGGGCAGAAGTCAACGCTCA
 GGAGCAGAAGTCTGGGCGCACGGCACTGCACCTGGCCGTGGAGTACGACAACATCTGTTGGCCGGCTGC
 CTGCTCCTGGAGGGTACGCCCTCGTGGACAGCACCACTACGATGGGACGACACCTCTACACATAGCAG
 CTGGAAGAGGGTCCACCAGGCTGGCAGCTCTTCTCAAAGCAGCAGGAGCAGACCCCTGGTGGAGAACTT
 TGAGCCTCTCTATGACCTGGACGACTCTTGGGAGAAGGCTGGAGAAGATGAGGGAGTAGTCCAGGCACC
 ACACCCCTGGACATGGCTGCCAACTGGCAGGATTTTGACATACTAAATGGGAAACCATATGAGCCAGTGT
 TCACATCTGATGACATACTCCCAAGGGGACATTAAGCAGCTGACAGAAGACACGAGGCTGCAACTCTG
 CAAGCTCTTGGAAATCCTGATCCCGACAAGAAGTGGCCACTCTGGCGCAGAAGTTAGGTCTGGGGATA
 TTGAACAATGCCTTCCGGCTGAGTCCCGCCCTTCTAAAACCTTATGGACAACATGAGGTCTCTGGGG
 GGACCATCAAAGAGCTGGTGGAGGCCCTGCGACAGATGGGCTACACAGAGGCCATTGAAGTGATCCAGGC
 AGCCTTCCGACCCCGAAACACAGCCTCCAGCCCGTGACCACTGCTCAGGCCACTTGTGCCTCTC
 TCGTCTCCTCCACAAGACAGCACATAGATGAGCTCCGAGATAATGACAGCGTGTGTGACAGTGGTGTGG
 AGACATCCTTCCGAAACTCAGCTTCTCGGAGTCCCTCACTGGAGATGGCCCACTGCTATCTCTGAACAA
 AATGCCTCACAATTATGGGCAGGATGGACCTATAGAAGCAAAATTTAG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-RsrII
ACCN:	NM_001276711
Insert Size:	2919 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001276711.1, NP_001263640.1</u>
RefSeq Size:	3956 bp
RefSeq ORF:	2919 bp
Locus ID:	81736
Cytogenetics:	2q43
Gene Summary:	gene encodes a 105 kD protein that can be processed to create a 50 kD protein; the larger protein is a Rel protein-specific transcription inhibitor and the smaller protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex [RGD, Feb 2006]