

## Product datasheet for RC226786

### NFKBIL1 (NM\_001144962) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NFKBIL1 (NM\_001144962) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** NFKBIL1  
**Synonyms:** IKBL; NFKBIL  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC226786 representing NM\_001144962  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCTCCACTTCCCGCCGCAACGCCGAGAACGTCGTTTTCGTCGTTACTTGTCTGCAGGACGGCTGG  
 TCCGGGCCAGGCCCTCCTCCAGCGACACCCAGGCCTCGATGTAGATGCTGGGCAGCCCCACCCTGCA  
 CCGGGCCTGTGCCGCCACGATGCCCTGCCCTGTGCCTGCTGCTTCGGCTCGGGCTGACCCTGCCAC  
 CAGGACCGCCATGGGGACACGGCACTGCATGCTGCTGCCCGCCAGGGCCAGATGCCTACACCGATTCT  
 TCCTCCCGCTGCTAAGCCGCTGTCCCTCCGCCATGGGAATAAAGAATAAGGATGGGGAGACCCCTGGCCA  
 AATTTTGGGCTGGGACCCCTGGGATTCTGCTGAAGAGGAGGAAGAAGATGATGCCTCAAGGAGCGG  
 GAATGGAGACAGAAGCTCCAGGGTGAGCTGGAGGACGAGTGCCAGGAAGTCATGGGGAGGTTTGAAGGTG  
 ATGCCTCCCATGAAACCCAGGAACCTGAGTCCTTCTCAGCCTGGTCAGATCGCCTGGCCCGGAACATGC  
 CCAGAAGTGCCAGCAGCAGCAGCAGGAGAAGCAGAGGGATCCCGTCGACCCACAGTCTGAGGGCTCCAGC  
 CAGAGCTGGCGACAGCAGGAGGAGCAGCGGCTCTTCAGGGAGCGAGCCCGGGCAAGGAGGAAGAGC  
 TGCGTGAGAGCCGAGCCAGGAGGGCGCAGGAGGCTCTAGGGGACCGAGAACCACCAAGCAGGGCCGG  
 GCCCAGGAAGAGCACCCAGAGGAGCGGGGAGGGCAGCCTCTGGCGATTTGGTGATGTGCCCTGGCCC  
 TGCCCTGGGGAGGGGACCCAGAGGCCATGGCTGCAGCCCTGGTGCCAGGGGCCCCCTTTGGAGGAAC  
 AGGGGCTCTGAGGAGGTACTTGAGGGTCCAGCAGGTCGCTGGCACCCCTGACCGCTTCTGCAGCGATT  
 CCGAAGCCAGATTGAGACCTGGGAGCTGGGCCGTGTGATGGGAGCAGTGACAGCCCTTTCTCAGGCCCTG  
 AATCGCCATGCAGAGGCCCTCAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC226786 representing NM\_001144962  
 Red=Cloning site Green=Tags(s)

MASTRRQRERRFRFRYL SAGRLVRAQALLQRHPGLDVDAGQPPPLHRACARHDAPALCLLLRLGADPAH  
 QDRHGDTALHAAARQGPDAITDFLPLLSRCPSAMGIKNDGETPGQILGWGPPWDSAAAAEEDDASKER  
 EWRQKLQGELEDEWQEV MGRFEGDASHETQEPE SFSAWSDRLAREHAQK CQQQREAEGRPPRAEGSS  
 QSWRQQEEEEQRLFRERARAKEEELRESRARRAQEALGDREPKPTRAGPREEHPRGAGRGS LWRFGDVPWP  
 CPGGGDPEAMAAALVARGPPLLEE QGALRRYL RVQQV RWH PDRFLQRFRSQIETWELGRVMGAVTALSQAL  
 NRHAEALK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001144962

**ORF Size:** 1074 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:**

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\\_001144962.2](#)

**RefSeq Size:** 1457 bp

**RefSeq ORF:** 1077 bp

**Locus ID:** 4795

**UniProt ID:** [Q9UBC1](#)

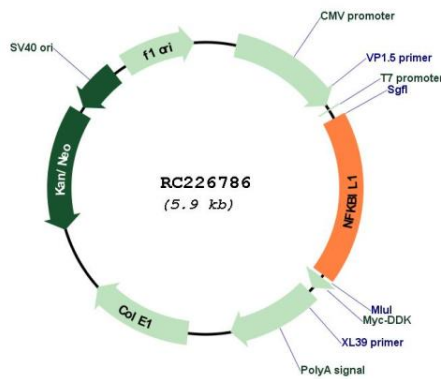
**Cytogenetics:** 6p21.33

**Protein Families:** Transcription Factors

**MW:** 40.8 kDa

**Gene Summary:** This gene encodes a divergent member of the I-kappa-B family of proteins. Its function has not been determined. The gene lies within the major histocompatibility complex (MHC) class I region on chromosome 6. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2009]

**Product images:**



Circular map for RC226786