

## Product datasheet for **RG211251**

### **NFKBIL1 (NM\_005007) Human Tagged ORF Clone**

#### Product data:

|                           |                                                                             |
|---------------------------|-----------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                         |
| Product Name:             | NFKBIL1 (NM_005007) Human Tagged ORF Clone                                  |
| Tag:                      | TurboGFP                                                                    |
| Symbol:                   | NFKBIL1                                                                     |
| Synonyms:                 | IKBL; NFKBIL                                                                |
| Mammalian Cell Selection: | Neomycin                                                                    |
| Vector:                   | pCMV6-AC-GFP (PS100010)                                                     |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                      |
| ORF Nucleotide Sequence:  | >RG211251 representing NM_005007<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGC**

ATGAGTAACCCCTCCCCCAGGTTCCAGAGGAAGAAGCCTCCACATCTGTCTGCCGGCCCAAGAGTTCCA  
 TGGCCTCCACTTCCCGCCGCAACGCCGAGAACGTCGCTTTCGTCGTTACTTGTCTGCAGGACGGCTGGT  
 CCGGGCCAGGCCCTCTCCAGCGACACCCAGGCCTCGATGTAGATGCTGGCAGCCCCACCACTGCAC  
 CGGGCCTGTGCCCGCCACGATGCCCTGCCCTGTGCCTGCTGCTCGGCTCGGGGCTGACCTGCCACC  
 AGGACCGCCATGGGACACGGCACTGCATGCTGCTGCCCGCCAGGGCCAGATGCCTACACCGATTCTT  
 CCTCCCGCTGCTAAGCCGCTGTCCCTCCGCCATGGGAATAAAGAATAAGGATGGGAGACCCCTGGCCAA  
 ATTTTGGGCTGGGACCCCTGGGATTCTGCTGAAGAGGAGGAAGAAGATGATGCCTCCAAGGAGCGGG  
 AATGGAGACAGAACTCCAGGTTGAGCTGGAGGACGAGTGGCAGGAAGTCATGGGAGGTTTGAAGGTGA  
 TGCCTCCCATGAAACCCAGGAACCTGAGTCCTTCTCAGCCTGGTCAGATCGCCTGGCCCGGGAACATGCC  
 CAGAAAGTGCCAGCAGCAGCAGCAGAGAAGCAGAGGGATCCTGTGACCCCCACGTGCTGAGGGCTCCAGCC  
 AGAGCTGGCGACAGCAGGAGGAGGAGCAGCGGCTCTTCAGGGAGCGAGCCGGGCCAAGGAGGAAGAGCT  
 GCGTGAGAGCCGAGCCAGGAGGGCGCAGGAGGCTCTAGGGGACCGAGAACCAAGCCAACAGGGCCGGG  
 CCCAGGGAAGAGCACCCAGAGGAGCGGGGAGGGCAGCCTCTGGCGATTGGTGATGTGCCCTGGCCCT  
 GCCCTGGGGAGGGGACCCAGAGGCCATGGCTGCAGCCCTGGTGGCCAGGGGCCCCCTTTGGAGGAACA  
 GGGGGCTCTGAGGAGTACTTGAGGGTCCAGCAGTCCGCTGGCACCCCTGACCGTTCTCTCAGCGATTTC  
 CGAAGCCAGATTGAGACCTGGGAGCTGGGCCGTGTATGGGAGCAGTGACAGCCCTTTCTCAGGCCCTGA  
 ATGCCATGCAGAGGCCCTCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG211251 representing NM\_005007  
 Red=Cloning site Green=Tags(s)

MSNPSPQVPEEEASTSVCPRKSSMASTRRQRRERRFRRLYSAGRLVRAQALLQRHPGLDVGQPPPLH  
 RACARHDAPALCLLLRLGADPAHQDRHGDALHAAARQGPDAYTDFLLPLLSRCPSAMGIKNKDGETPGQ  
 ILGWGPPWDSAEEDDASKEREWRQKLQGELEDEWQEVMGREFGDASHETQEPEFSAWSDLAREHA  
 QKCQQQREAEGSCRPPRAEGSSQSWRQEEEQRLFRERARAKEEELRESRARRAQEALGDREPKPTRAG  
 PREEHPRGAGRGLWRFQVWPWPCPGGDPPEAMAAALVARGPPLLEEQGALRRYLRVQVRWHPDRFLQRF  
 RSQIETWELGRVMGAVTALSQALNRHAEALK

TRTRPLE – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_005007

**ORF Size:** 1143 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_005007.2](#), [NP\\_004998.2](#)

**RefSeq Size:** 1491 bp

**RefSeq ORF:** 1146 bp

**Locus ID:** 4795

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

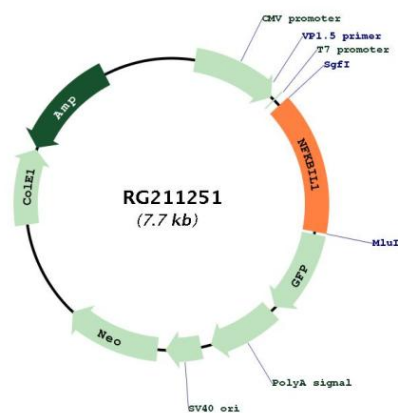
**Cytogenetics:** 6p21.33

**Domains:** ANK

**Protein Families:** Transcription Factors

**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 RG211251