

## Product datasheet for **RG226589**

### **NFKBIL1 (NM\_001144961) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NFKBIL1 (NM\_001144961) 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:** >RG226589 representing NM\_001144961  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTAACCCCTCCCCCAGGTTCCAGAGGAAGAAGCCTCCACATCTGTCTGCCGGCCCAAGAGTTCCA  
 TGGCCTCCACTTCCCGCCGCAACGCCGAGAACGTCGTTTCGTCGTTACTTGTCTGCAGGACGGCTGGT  
 CCGGGCCAGGCCCTCCTCCAGCGACACCCAGGCTCGATGTAGATGCTGGCAGCCCCACCCTGCAC  
 CGGGCCTGTGCCCGCCACGATGCCCTGCCCTGTGCTGCTCGGCTCGGGGCTGACCTGCCACC  
 AGGACCGCATGGGGACACGGCACTGCATGCTGCTGCCCGCCAGGGCCAGATGCCTACACCGATTTCTT  
 CCTCCCGCTGCTAAGCCGCTGTCCCTCCGCCATGGGAATAAAGAATAAGGATGGGGAGACCCCTGGCCAA  
 ATTTTGGGCTGGGGACCCCTGGGATTCTGCTGAAGAGGAGGAAGAAGATGATGCCTCCAAGGAGCGGG  
 AATGGAGACAGAAGCTCCAGGGTATGCTCCCATGAAACCCAGGAACCTGAGTCCTTCTCAGCCTGGTC  
 AGATCGCTGGCCCGGAACATGCCCAGAAGTGCCAGCAGCAGCAGGAGAAGCAGAGGGATCCTGTGCA  
 CCCCCAGTGTGAGGGCTCCAGCCAGAGCTGGCGACAGCAGGAGGAGGAGCAGCGGCTCTTCAGGGAGC  
 GAGCCCGGGCCAAGGAGGAAGAGCTGCGTGAGAGCCGAGCCAGGAGGGCGCAGGAGGCTCTAGGGGACCC  
 AGAACCAAGCCAACAGGGCCGGGCCAGGGAAGAGCACCCAGAGGAGCGGGAGGGGACGCCCTCTGG  
 CGATTTGGTGATGTGCCCTGGCCTGCCCTGGGGAGGGGACCCAGAGGCCATGGCTGCAGCCCTGGTGG  
 CCAGGGGCCCCCTTTGGAGGAACAGGGGCTCTGAGGAGGTACTTGAGGGTCCAGCAGGTCGCTGGCA  
 CCTGACCGCTTCTGCAGCGATTCCGAAGCCAGATTGAGACCTGGGAGCTGGGCGTGTGATGGGAGCA  
 GTGACAGCCCTTCTCAGGCCCTGAATCGCCATGCAGAGGCCCTCAAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG226589 representing NM\_001144961  
 Red=Cloning site Green=Tags(s)

MSNPSPQVPEEEASTSVCRPKSSMASTRRQRERRFRRYL SAGRLVRAQALLQRHPGLDVDAGQPPPLH  
 RACARHDAPALCLLLRLGADPAHQDRHGDTALHAAARQGPDAYTDFLPLL SRCPSAMGIKNKDGETPGQ  
 ILGWGPPWDSAEEDDASKEREWQKLQGDASHETQEPESFSAWSDRLAREHAQKCCQQQREAEGSCR  
 PPRAEGSSQSWRQEEEEQRLFRRERARAKEEELRESRARRAQEALGDREPKPTRAGPREEHPRGAGRGLW  
 RFGDVPWPVPCGGDPEAMAAALVARGPPLLEEQGALRRYL RVQVRWHPDRFLQRFRSQIETWELGRVMGA  
 VTALSQALNRHAEALK

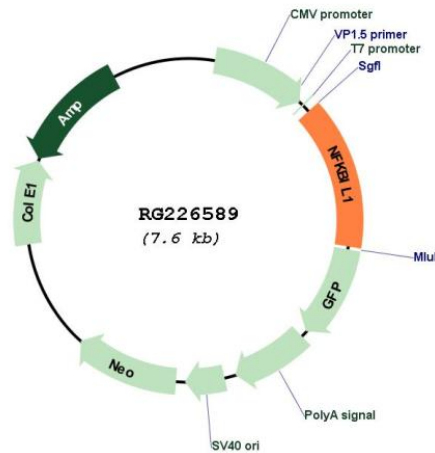
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001144961

<b>ORF Size:</b>	1098 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_001144961.1</a> , <a href="#">NP_001138433.1</a>
<b>RefSeq Size:</b>	1465 bp
<b>RefSeq ORF:</b>	1101 bp
<b>Locus ID:</b>	4795
<b>UniProt ID:</b>	<a href="#">Q9UBC1</a>
<b>Cytogenetics:</b>	6p21.33
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	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]