

Product datasheet for **RG227000**

NFKBIL1 (NM_001144963) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NFKBIL1 (NM_001144963) 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: >RG227000 representing NM_001144963
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTAACCCCTCCCCCAGGTTCCAGAGGAAGAAGCCTCCACATCTGTCTGCCGGCCCAAGAGTTCCA
 TGGCCTCCACTTCCCGCCGCAACGCCGAGAACGTCGTTTCGTCGTTACTTGTCTGCAGGACGGCTGGT
 CCGGGCCAGGCCCTCCTCCAGCGACACCCAGGCTCGATGTAGATGCTGGGCAGCCCCACCCTGCAC
 CGGGCCTGTGCCCGCCACGATGCCCTGCCCTGTGCTGCTCGGCTCGGGGCTGACCTGCCACC
 AGGACCGCATGGGGACACGGCACTGCATGCTGCTGCCCGCCAGGGCCAGATGCCTACACCGATTCTT
 CCTCCCGCTGCTAAGCCGCTGTCCCTCCGCCATGGGAATAAAGAATAAGGATGGGGAGACCCCTGGCCAA
 ATTTTGGGCTGGGGACCCCTGGGATTCTGCTGAAGAGGAGGAAGAAGATGATGCCTCCAAGGAGCGGG
 AATGGAGACAGAAGCTCCAGGGTATGCCTCCCATGAAACCCAGGAACCTGAGTCCTTCTCAGCCTGGTC
 AGATCGCTGGCCCGGAACATGCCCAGAAGTGCCAGCAGCAGCAGGAGAAGCAGAGGGATCCTGTGCA
 CCCCCAGTGTGAGGGCTCCAGCCAGAGCTGGCGACAGCAGGAGGAGGAGCAGCGGCTCTTCAGGGAGC
 GAGCCCGGGCCAAGGAGGAAGAGCTGCGTGAGAGCCGAGCCAGGAGGGCGCAGGAGGCTCTAGGGGACCC
 AGAACCAAGCCAACCAGGGCCGGGCCAGGGAAGAGCACCCAGAGGAGCGGGGAGGGGACGCTCTGG
 CGATTTGGTGATGTGCCCTGGCCTGCCCTGGGGAGGGGACCCAGAGGCCATGGCTGCAGCCCTGGTGG
 CCAGGGGCCCCCTTTGGAGGAACAGGGGCTCTGAGGAGGTAATTGAGGTCACAGAGGTCGCTGGCA
 CCTGACCGCTTCTGCAGCGATTCCGAAGCCAGATTGAGACCTGGGAGCTGGGCGTGTGATGGGAGCA
 GTGACAGCCCTTCTCAGGCCCTGAATCGCCATGCAGAGGCCCTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG227000 representing NM_001144963
Red=Cloning site Green=Tags(s)

MSNPSPQVPEEEASTSVCRPKSSMASTRRQRERRFRRYL SAGRLVRAQALLQRHPGLDVDAGQPPPLH
 RACARHDAPALCLLLRLGADPAHQDRHGDTALHAAARQGPDAYTDFLPLL SRCPSAMGIKNKDGETPGQ
 ILGWGPPWDSAEIEEDDASKEREWQKLQGDASHETQEPESFSAWSDRLAREHAQKCCQQQREAEGSCR
 PPRAEGSSQSWRQEEEEQRLFRRERARAKEEELRESRARRAQEALGDREPKPTRAGPREEHPRGAGRGLW
 RFGDVPWPVPCGGDPEAMAAALVARGPPLLEEQALRRYLRYVQVRWHPDRFLQRFRSQIETWELGRVMGA
 VTALSQALNRHAEALK

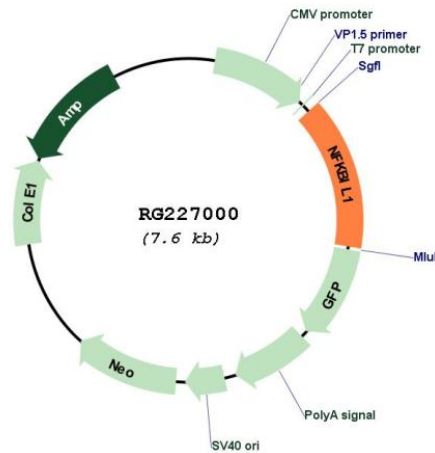
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001144963

ORF Size:	1029 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:	<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:	NM_001144963.1 , NP_001138435.1
RefSeq Size:	1412 bp
RefSeq ORF:	1032 bp
Locus ID:	4795
UniProt ID:	Q9UBC1
Cytogenetics:	6p21.33
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]