

Product datasheet for **RC226589**

NFKBIL1 (NM_001144961) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NFKBIL1 (NM_001144961) 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: >RC226589 representing NM_001144961
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTAACCCCTCCCCCAGGTTCCAGAGGAAGAAGCCTCCACATCTGTCTGCCGGCCCAAGAGTTCCA
TGGCTCCACTTCCCGCCGCAACGCCGAGAACGTCGTTTCGTCGTTACTTGTCTGCAGGACGGCTGGT
CCGGGCCAGGCCCTCTCCAGCGACACCCAGGCCTCGATGTAGATGCTGGCAGCCCCACCCTGCAC
CGGGCTGTGCCCGCCACGATGCCCTGCCCTGTGCTGCTCGGCTCGGGCTGACCTGCCACC
AGGACCGCATGGGGACACGGCACTGCATGCTGCTGCCCGCCAGGGCCAGATGCCTACACCGATTTCTT
CCTCCCGCTGCTAAGCCGCTGTCCCTCCGCCATGGGAATAAAGAATAAGGATGGGGAGACCCCTGGCCAA
ATTTTGGGCTGGGGACCCCTGGGATTCTGCTGAAGAGGAGGAAGAAGATGATGCCTCCAAGGAGCGGG
AATGGAGACAGAAGCTCCAGGGTATGCCTCCCATGAAACCCAGGAACCTGAGTCCTTCTCAGCCTGGTC
AGATCGCTGGCCCGGAACATGCCCAGAAGTGCCAGCAGCAGCAGCAGGAGAAGCAGAGGGATCCTGTGCA
CCCCACGTGCTGAGGGCTCCAGCCAGAGCTGGCGACAGCAGGAGGAGGAGCAGCGGCTCTTCAGGGAGC
GAGCCCGGGCCAAGGAGGAAGAGCTGCGTGAGAGCCGAGCCAGGAGGGCGCAGGAGGCTCTAGGGGACCC
AGAACCAAGCCAACCAGGGCCGGGCCAGGGAAGAGCACCCAGAGGAGCGGGAGGGGAGCCCTCTGG
CGATTTGGTGATGTGCCCTGGCCTGCCCTGGGGAGGGGACCCAGAGGCCATGGCTGCAGCCCTGGTGG
CCAGGGGCCCCCTTTGGAGGAACAGGGGCTCTGAGGAGGTAATTGAGGTCACAGGTCAGGTCAGGTCAGG
CCCTGACCGCTTCTGCAGCGATTCCGAAGCCAGATTGAGACCTGGGAGCTGGGCGTGTGATGGGAGCA
GTGACAGCCCTTCTCAGGCCCTGAATCGCCATGCAGAGGCCCTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >RC226589 representing NM_001144961
 Red=Cloning site Green=Tags(s)

MSNPSPQVPEEEASTSVCRPKSSMASTRRQRERRFRRYL SAGRLVRAQALLQRHPGLDVDAGQPPPLH
 RACARHDAPALCLLLRLGADPAHQDRHGDTALHAAARQGPDAYTDFLPLLSRCP SAMGIKNKDGETPGQ
 ILGWGPPWDSAEEDDASKEREWQKLG DASHETQEPEFSAWSDR LAREHAQKCCQQQREAEGSCR
 PPRAEGSSQSWRQEQEEQRLFRERARAKEEELRESRARRAQEALGDREPKPTRAGPREEHPRGAGRGLW
 RFGDVPWPCPGGDPEAMAAALVARGPPLLEE QGALRRYL RVQVRWHPDRFLQRF RFSQIETWELGRVMGA
 VTALSQALNRHAEALK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001144961

ORF Size: 1098 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_001144961.1](#), [NP_001138433.1](#)

RefSeq ORF: 1101 bp

Locus ID: 4795

UniProt ID: [Q9UBC1](#)

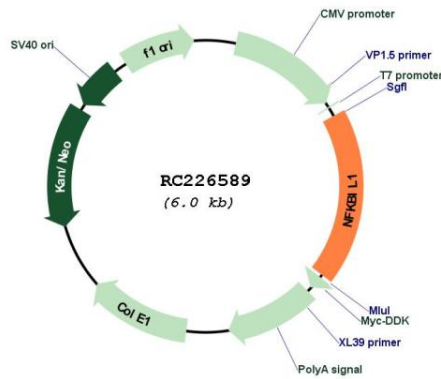
Cytogenetics: 6p21.33

Protein Families: Transcription Factors

MW: 41.2 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 RC226589