

Product datasheet for RC211251

NFKBIL1 (NM_005007) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFKBIL1 (NM_005007) 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:	>RC211251 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGAGTAACCCCTCCCCCAGGTTCCAGAGGAAGAAGCCTCCACATCTGTCTGCCGGCCCAAGAGTTCCA
 TGGCCTCCACTTCCCGCCGCAACGCCGAGAACGTCGTTTCGTCGTTACTTGTCTGCAGGACGGCTGGT
 CCGGGCCAGGCCCTCTCCAGCGACACCCAGGCCTCGATGTAGATGCTGGGCAGCCCCACCACTGCAC
 CGGGCCTGTGCCCGCCACGATGCCCTGCCCTGTGCCTGCTGCTCGGCTCGGGGCTGACCTGCCACC
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 CCTCCCGCTGCTAAGCCGCTGTCCCTCCGCCATGGGAATAAAGAATAAGGATGGGGAGACCCTGGCCAA
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 CAGAAGTGCCAGCAGCAGCAGCAGAGAAGCAGAGGGATCCTGTGACCCCCACGTGCTGAGGGCTCCAGCC
 AGAGCTGGCGACAGCAGGAGGAGGAGCAGCGGCTCTTCAGGGAGCGAGCCGGGCCAAGGAGGAAGAGCT
 GCGTGAGAGCCGAGCCAGGAGGGCGCAGGAGGCTCTAGGGGACCGAGAACCAAGCCAACAGGGCCGGG
 CCCAGGGAAGAGCACCCAGAGGAGCGGGAGGGGCAGCCTCTGGCGATTGTTGGTGATGTGCCCTGGCCCT
 GCCCTGGGGAGGGGACCCAGAGGCCATGGCTGCAGCCCTGGTGGCCAGGGGCCCCCTTTGGAGGAACA
 GGGGGCTCTGAGGAGTACTTGAGGGTCCAGCAGTCCGCTGGCACCCCTGACCGTTCTCTCAGCGATTTC
 CGAAGCCAGATTGAGACCTGGGAGCTGGGCCGTGTGATGGGAGCAGTGACAGCCCTTTCTCAGGCCCTGA
 ATCGCCATGCAGAGGCCCTCAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC211251 protein sequence
 Red=Cloning site Green=Tags(s)

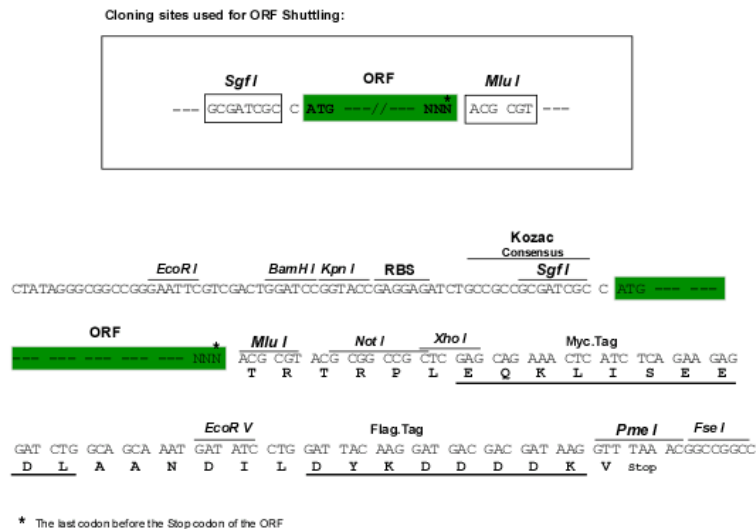
MSNPSPQVPEEEASTSVCRPKSSMASTRRQRRERRFRYYL SAGRLVRAQALLQRHPGLDVGQPPPLH
 RACARHDAPALCLLLRLGADPAHQDRHGDALHAAARQGPDAYTDFLPLLSRCPSAMGIKNKDGETPGQ
 ILGWGPPWDSAAAAEEDDASKEREWQKLQGELEDEWQEVMGREFGDASHETQEPESFSAWSDRLAREHA
 QKCQQQREAEGSCRPPRAEGSSQSWRQQEEEQRLFRERARAKEEELRESRARRAQEALGDREPKPTRAG
 PREEHPRGAGRGLWRFQVWPVPCPGGDPEAMAAALVARGPPLLEEQALRRYL RVQQVRWHPDRFLQRF
 RSQIETWELGRVMGAVTALSQALNRHAEALK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6369_a06.zip

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: 1510 bp

RefSeq ORF: 1146 bp

Locus ID: 4795

UniProt ID: [Q9UBC1](#)

Cytogenetics: 6p21.33

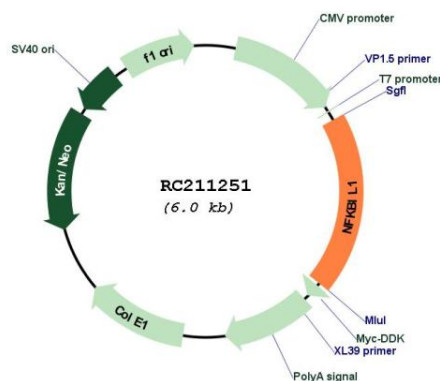
Domains: ANK

Protein Families: Transcription Factors

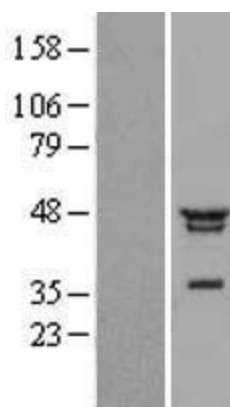
MW: 43.2 kDa

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]

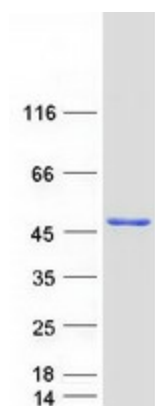
Product images:



Circular map for RC211251



Western blot validation of overexpression lysate (Cat# [LY417580]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC211251 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified NFKBIL1 protein (Cat# [TP311251]). The protein was produced from HEK293T cells transfected with NFKBIL1 cDNA clone (Cat# RC211251) using MegaTran 2.0 (Cat# [TT210002]).