

Product datasheet for **RG201046**

NFKBIL2 (TONSL) (NM_013432) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFKBIL2 (TONSL) (NM_013432) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NFKBIL2
Synonyms:	IKBR; NFKBIL2; SEMDSP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201046 representing NM_013432 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGACCCGCCTCTATCTCAACCTGGGCCTCACCTTTGAGAGCCTGCAGCAGACAGCCCTGTGCAACG
ATTACTTCAGGAAGAGCATCTTCCTTGCAGGAGCAGAACCCCTTTACGAGGACCTATTCGCGCCCGCTA
CAACCTGGGCACCATCCACTGGCGCGGGCCAGCACTCCAGGCTATGCGCTGCTTGGAGGGTGCCCGG
GAGTGTGCGCACACCATGAGGAAGCGGTTTCATGGAGAGCGAGTGTGCGTGGTTATTGCACAGGTCTCC
AAGACCTGGGAGACTTTTTGGCTGCCAAGCGAGCCCTGAAGAAGGCTACAGGCTGGGCTCCAGAAAGCC
TGTGCAGAGGGCAGCCATCTGTCAAGACCTCCAGCATGTGCTGGCAGTGGTCCGGCTGCAGCAACAGCTG
GAAGAGGCTGAGGGCAGAGACCCCTCAGGGTGCCATGGTCATCTGTGAGCAGCTAGGGGACCTCTTCTCCA
AGGCAGGAGACTTTCCAGGGCAGCTGAGGCTTACCAGAAGCAGCTGCGTTTTGCTGAGCTGCTGGACAG
ACCGGGTGTGAGCGGGCCATCATCCACGTGTCCCTGGCCACCACACTGGGAGACATGAAGGACCACCAT
GGGGCCGTGCGCCACTATGAGGAGGAAGTGAAGGCTGCGCAGCGGCAACGTGCTGGAGGAGGCAAGACCT
GGCTGAACATTGCACTGTCCCGAGGAGGCGGGCGATGCCTACGAGCTGCTGGCCCCGTGCTTCCAGAA
AGCGCTCAGCTGTGCCAGCAGGCCAGCGTCCCAGCTGCAGAGGCAGGTCTTGCAGCATCTCCATACC
GTGCAGCTGAGGCTGCAGCCCCAGGAGGCCCTGAGACCGAAACCAGACTGCGGGAGCTCAGTGTAGCTG
AAGATGAAGATGAGGAGGAGGAGGCGGAGGAGGCGGAGCCACAGCGGAGAGCGAAGCCCTGGAGGCGCG
CGAGGTGAGCTCTCAGAGGGCGAGGACACACCGATGGCCTGACCCCGAGCTGGAGGAGGACGAGGAG
CTTCAGGGCCACCTGGGCGGCGGAAGGGGAGCAAGTGAACCGGCGAAACGACATGGGGGAGACCTGC
TGCACCGAGCCTGCATCGAGGGCCAGCTGCGCCGCTCCAGGACCTTGTGAGGACGGGCCACCCCTTAA
CCCTCGGGACTACTGTGGCTGGACACCTCTGCACGAGGCTGCAACTACGGGCATCTAGAAATTGTCGC
TTCTGCTGGACCAGGGGCCAGTGGACGACCCAGGTGGCCAGGGCTGCGAAGGCATCACCCCTCC
ACGATGCCCTCACTGTGGCCACTTCGAGGTGGCTGAGCTGCTGCTTGAACGGGGGGCGTCCGTCACCT
CCGCACTCGAAAGGCCCTCAGCCGCTGGAGACGCTGCAGCAGTGGTGAAGCTGTACCGCAGGGACCTG



[View online »](#)

GACCTGGAGACGCGGCAGAAAGGCCAGGGCCATGGAGATGCTGCTCCAGGCGGCTGCCTCGGGCCAAGATC
CCCACAGCTCCCAGGCCTTCCACACCCCAAGCAGCCTTCTGTTTGACCCCGAGACCTCTCCTCCTTTGAG
CCCCTGCCAGAAACCCCTCTAATAGCACTAGACTCCCAGAGGCCTCTCAGGTCCATGTCAGGGTCTCC
CCAGGGCAGGCGGCACCAGCCATGGCCAGGCCTCGGAGGAGCAGGCATGGCCAGCCAGCAGCAGCAGCA
GCTCAGAAGGCGAGGACAGCGCAGGCCCGCACGGCCGTCCCAGAAGAGGCCTCGGTGCTCGGCCACAGC
ACAACGGGTGGCAGCCTGGACGCCTGGCCCCGCCAGCAACAGGGAAGCAGCCACAGCCAGCACCAGCCGG
GCAGCCTACCAGGCAGCCATCCGGGGTGTGGGCAGTGTCTCAGAGCCGGCTGGGGCTGGCCACCCGGGG
GCCACAGCAAAGCCCTTGCCCCCAGGCAGCGCTCATCCCGAGGAGGAGTGCCTGGCTGGGGACTGGCT
GGAGCTGGACATGCCCTGACCCGACGCGCGGCCCGCCCCGGGCACTGGAGACAACCGCAGGCC
AGTAGTACCTCTGGGTCGGACAGTGAGGAGAGCAGGCCCGTGCCGAGCCAAGCAGGTCCGCCTGACCT
GCATGCAGAGTTGCAGTGCGCCAGTTAACGCAGGGCCCAGCAGCCTGGCTTCAAACTCCAGGGAGCCC
CAGCACCCCCAGGGTCTCAGAGCCAGTGGGGACAGCTCTGCGGCAGGCCAGCCCTTGGTCCGGCCCCG
CCCCCTCCATCCGGTTCGAGTCAAGTTCAGGATCATCTTCTCCTCATCCCTGTCCACACAGCAGTG
ACACCCACTCTGTGGCTGGCTGGCCGAGCAGGGGCCAGCGCTACTACCAGACCTGCGGGCTGCTGCC
CAGGCTCACCTACGAAAGAGGGGGCCCTGCTGGCCCCACAGGACCTCATCCCTGATGTGCTGCAGAGC
AATGACAGAGTGTGGCTGAGGTGACTTCGTGGGACCTGCCCCGTTGACTGACCCTACCGCAGGGCCT
GCCAGAGCCTGGGGCAAGGGGAGCACAACAGGTGCTGCAGGCCGTGGAGCTCCAGGGCTTGGGCCTCTC
GTTCAGCGCTGCTCCCTGGCCCTGGACCAGGCCAGCTTACACCCCTGCTGCGGGCCCTCAAGTGCAC
ACAGCACTCCGGGAGCTGCGCCTGGCAGGGAACCGGCTGGGGGACAAGTGTGTGGCTGAGCTGGTGGCTG
CCCTGGGCACCATGCCAGCCTGGCCCTCCTTGACCTCTCCTCCAATCACCTGGTCCCAGGGCCTGCG
CCAGCTTGCCATGGGGCTCCCAGGCCAAGCCACCTTGACAGTGTGGAGGAGCTGGACTTAAGCATGAAC
CCCCTGGGGGACGGCTGTGGCCAGTCCCTGGCCCTCCCTCCTGCACGCCTGCCCTTACTCAGCACCTGC
GCCTGCAGGCGTGTGGCTTCGGCCCCAGTTCCTTCTGAGCCACCAGACAGCACTGGGTAGTGTCTTTCCA
AGATGCTGAGCACCTGAAGACCCTGTCCCTGTCTACAACGCCCTGGGAGCCCTGCCCTGGCCAGGACC
CTGCAGAGCCTGCCCGCCGGCACCTCCTGCACCTTAGAGCTCAGCTCCGTGGCAGCCGGCAAGGGTATT
CGGACCTCATGGAGCCTGTATTCCGATACCTGGCCAAGGAAGGCTGTGCTCTAGCCACCTGACCCTGTC
TGCAAACCACCTGGGGGACAAGGCTGTTAGAGACCTGTGCAGATGTCTCTCTGTGCCCTCACTCATC
TCACTGGATCTGTCTGCCAACCTGAGATCAGCTGTGCCAGCTTGAAGAGCTCCTGTCCACCCTCCAAA
AGCGGCCCAAGGCCTTAGCTTCTTGGCCTGTCAGGCTGCGCCGTCCAGGGTCCCCTGGGCTGGGCT
GTGGGACAAGATAGCCGCGCAGCTCCGGAACTGCAGCTGTGCAGCAGACGCCTCTGCGCTGAGGACAGG
GACGCCCTGCGCCAGCTGCAGCCAGTCGGCCGGGCCCGGCGAGTGCACGCTGGACCACGGCTCCAAGC
TCTTCTTTCGGCCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

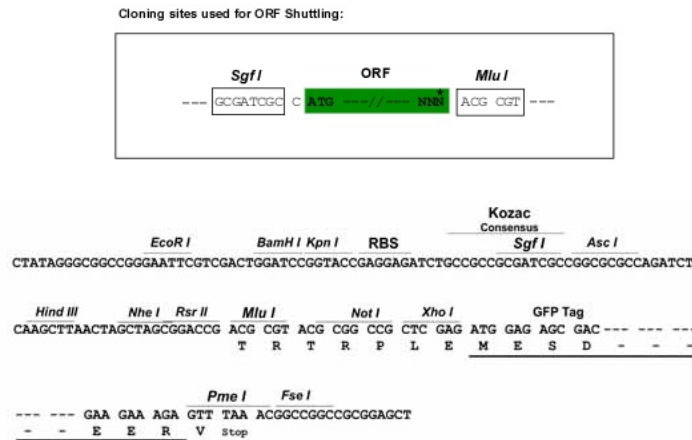
Protein Sequence: >RG201046 representing NM_013432
 Red=Cloning site Green=Tags(s)

MRTRLYLNLGLTFESLQQTALCNDYFRKSI FLAEQNHLYEDLFRARYNLGTIHWRAQHSQAMRCLEGAR
 ECAHTMRKRFMESECCVIAQVLQDLGDFLAALKRALKKAYRLGSQKPVQRAAICQNLQHVLA VVRLQQQL
 EEAEGRDPQGAMVICEQLGDLFSKAGDFPRAAEAYQKQLRFAELLDRPGAERAI IHVSLATTLGDMKDHH
 GAVRHYEEELRLRSGNVLEEAKTWLNIALSREEAGDAYELLAPCFQKALSCAQQARPQLQRQVLQHLHT
 VQLRLQPQEAPETETRLREL SVAEDEDEEEEAEEAAATAESEALEAGEVELSEGEDDDGLTPQLEEDDEE
 LQGH LGRRKGSKWNRRNDMGETLLHRACIEGQLRRVQDLVRQGHPLNPRDYCGWTP LHEACNYGHLEIVR
 FLLDHGA AVDDPGGQCGEGITPLHDALNCGHFEVAELLLERGASVTLRTRKGLSPLETLQQWVKLYRRDL
 DLETRQKARAMEMLLQAAA SGQDPHSSQAFHTPSSLLFDPETSPPLSPCPEPPSNSTRLEASQVHVRS
 PGQAAPAMARRSRHGPASSSSSEGEDSAGPARPSQKRPRCSATAQRVAAWTPGPASNREAA TASTSR
 AAYQAAIRGVGSAQSRLGPGPPRGH SKALAPQAALIP EEECLAGDWLELDMP LTRSRPRPRGTGDNRRP
 SSTSGDSEESRPRARAKQVRLTCMQSCSAPVNAGPSSLASEPPGSPSTPRVSEPSGDSSAAGQPLGPAP
 PPPIRVRVQVQDHLFLIPVPHSSDTHSVAWLAEQAAQRY YQTCGLLPRLTLRKEGALLAPQDLIPDVLQS
 NDEVLAEVTSWDL PPLTDYRACQSLGQGEHQV LQAVELQGLGLSFSACSLALDQAQLTPLL RALKLH
 TALRELRLAGNRLGDKCVAELVAALGTMPSLALLDLSSNHLGPEGLRQLAMGLPGQATLQSEELDLSMN
 PLGDGCGQSLASLLHACPLLSTLRLQACGFGPSFFLSHQ TALGSAFQDAEHLKTL SLSYNALGAPALART
 LQSLPAGTLLHLELSSVAAGKGDSDLMEPVFRYLAKEGCAL AHLTL SANHLGDKAVRDLCRCLSLCPSLI
 SLDL SANPEISCA SLEELLSTLQKRPQGLSFLGLSGCAVQGPLGLGLWDKIAAQLRELQLCSRRLCAEDR
 DALRQLQPSRPGPGECTLDHGSKLFFRRL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

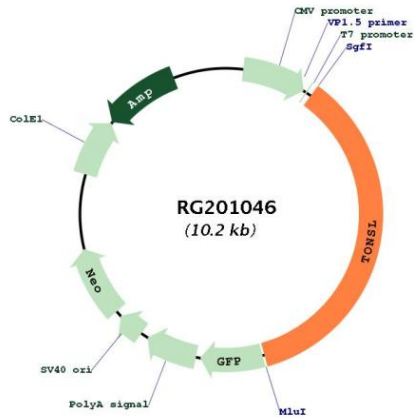


ACCN: NM_013432

ORF Size: 3657 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_013432.2
RefSeq Size:	4489 bp
RefSeq ORF:	4137 bp
Locus ID:	4796
UniProt ID:	Q96HA7
Cytogenetics:	8q24.3
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene is thought to be a negative regulator of NF-kappa-B mediated transcription. The encoded protein may bind NF-kappa-B complexes and trap them in the cytoplasm, preventing them from entering the nucleus and interacting with the DNA. Phosphorylation of this protein targets it for degradation by the ubiquitination pathway, which frees the NF-kappa-B complexes to enter the nucleus. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201046