

## Product datasheet for **SC209224**

### **NFKB1 (NM\_003998) Human 3' UTR Clone**

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** NFKB1 (NM\_003998) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** NFKB1  
**Synonyms:** CVID12; EBP-1; KBF1; NF-kappa-B1; NF-kappaB; NF-kappabeta; NF-kB; NF-kB1; NFkappaB; NFKB-p50; NFKB-p105  
**ACCN:** NM\_003998  
**Insert Size:** 738 bp  
**Insert Sequence:** >SC209224 3'UTR clone of NM\_003998

The sequence shown below is from the reference sequence of NM\_003998. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAACGATCGCC
CAGGAAGGACCTCTAGAAGGCAAAATTAGCCTGCTGACAATTTCCACACCGTGTAAACCAAAGCCCT
AAAATTCCTACTGCGTTGTCCACAAGACAGAAGCTGAAGTGCATCCAAAGGTGCTCAGAGAGCCGCCCCG
CCTGAATCATTCTCGATTTAACTCGAGACCTTTTCAACTGGCTTCCTTTCTTGGTTCATAAATGAATT
TTAGTTTGGTTCCTTACAGATAGTATCTAGCAATCACAACACTGGCTGAGCGGATGCATCTGGGGATG
AGGTTGCTTACTAAGCTTTGCCAGCTGCTGCTGGATCACAGCTGCTTTCTGTTGTCATTGCTGTTGTCC
CTCTGCTACGTTCTATTGTCATTAAGGTATCACGGTCGCCACCTGGCATTCTCTGACCACAGCAT
CATTTTGCATTCAAATTAAGGGTTAAGAAAAGAGATATTTAAAATGAGAGTCACTTGATGTGCCATTT
TAAAAAAAAGGCATATTGCTTTTTCTAATGTGGTTATTTCTCTGATTTGCAAAAAAAAAAAAAAAAAA
AACTACTTGCAATATTTAAACATGGTTACAATCATTTGCTGAAAATGGTATTTCCCTTTTCTGCATT
TTGCTATTGTAATATGTTTTTAGATCAAATACTTTAAAGGAAAAATGTTGGATTTATAAATGCTAT
TTTTTATTTACTTTTATAATAAAAGGAAAAGCAAATTGATGACCTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-Mlul

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).



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<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_003998.4</a>
<b>Summary:</b>	This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. NFKB is a critical regulator of the immediate-early response to viral infection. Alternative splicing results in multiple transcript variants encoding different isoforms, at least one of which is proteolytically processed. [provided by RefSeq, Aug 2020]
<b>Locus ID:</b>	4790
<b>MW:</b>	28.7