

## Product datasheet for **SC116683**

### NFIB (NM\_005596) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NFIB (NM_005596) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFIB
Synonyms:	CTF; HMGIC/NFIB; MACID; NF-I/B; NF1-B; NFI-B; NFI-RED; NFIB2; NFIB3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005596, the custom clone sequence may differ by one or more nucleotides

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ATGATGATTCTCCCATCTGTCTCACTCAGGATGAATTCACCCATTCATCGAGGCACTTCTCCACATG
TCCGTGCAATTGCCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA
GCGAATGTCAAAGGATGAAGAAAGAGCAGTCAAAGATGAGCTTCTCAGTAAAAGCCTGAAATCAAACAG
AAGTGGGCATCCAGGCTCCTTGCCAAACTGCGCAAAGATATTCGCCAGGAGTATCGAGAGGACTTTGTGC
TCACCGTGACTGGCAAGAAGCACCCGTGCTGTCTTATCCAATCCCACCAGAGGGAAGATTAGGAG
AATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTGTATCCTGTTCAAAGGC
ATCCCCCTGGAAAGTACCGATGGAGAGCGGCTCATGAAATCCCCACATTGCACAAACCCAGCACTTTGTG
TCCAGCCACATCATATCACAGTATCAGTTAAGGAGCTTGATTTGTTTTGGCATACTACGTGCAGGAGCA
AGATTCTGGACAATCAGGAAGTCCAAGCCACAATGATCCTGCCAAGAATCCTCCAGGTTACCTTGAGGAT
AGTTTTGTAAAATCTGGAGTCTTCAATGTATCAGAAGTGTAAAGAGTATCCAGAAGCCCAATAACCCAGG
GAAGTGGAGTCAACTTCCAATTGGAGAAATCCAAGCCAACCACTACTATCATGACATGAACTCGGGGGT
CAATCTTCAGAGGTCTGTCTTCTCCACCAAGCAGCAAAAGACCCAAAATATATCCATAGATGAAAAT
ATGGAACCAAGTCTACAGGAGACTTTTACCCCTCTCCAAGTTCACCAGCTGCTGGAAGTCAACATGGC
ACGAAAGAGATCAAGATATGTCTTCTCCGACTACTATGAAGAAGCCTGAAAAGCCATTGTTACAGCTCTGC
ATCTCCACAGGATCTTCCCAAGACTGAGCACTTTCCCCAGCACCACCATCCCGAATACCTGGAGTT
GCACACAGTGTATCTCAACTCGAACTCCACCTCCACCTTACCCTTCCGATTTCCAACACAAGCTATCC
TTCTCCAGCCCATCGAGCTACTTTTCTCATCCAACAATCAGATATCCTCCCCACCTGAATCCTCAGGA
TACTCTGAAGAACTATGTACCTTCTATGACCCATCCAGTCCACAACCAGCCAGTCTGGTACCTGGGC
TAG

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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_005596 unedited  
 GTTAGGATATGAAACACGATTTACTATAGGGCGGCCGCGCAATTCGCACGAGGGGCCCGC  
 CCTTTTTNGAAAAAGCATTTTACCACCAACCACCACCCCAATCCAACCCACACCGAACCC  
 TTCGCGCACCCCTACACCCCAACAACAACAACAACACTGCAAAATAGAAAACAAATCCCA  
 AACCCAGGCGAAAAGCAGCCAACACCCGGCGGCGGGTGGTCTCGGCAAGCACGGCCAGC  
 GCGCTCGGACTGCAAGAGGGTTAAAAGTGTAGATTGGATTTACCCTGGAAGTCTAGCA  
 CGCCGAGTGAAGTGAATCTTTGGCTATTTAAGGAGGACTGGGTTTGTGTGAAGTTGCG  
 GTGATCCAGCGCAGAGCCCGTCTGATTGATCGCATCGCGGGGCTCAGATGACTGTAAA  
 ATGAATAGATGAAATTCTTGCTTCTCGAAGATTTTCTTGGGCATCTCCCGAAAAGTGCCT  
 TTTAAGGCGAAGTCATGATGATTCTCCCATCTGTCTCACTCAGGATGAATTTACCCAT  
 TCATCGAGGCACTTCTCCACATGTCCGTGCAATTGCCTATACTTGGTTCAACCTGCAGG  
 CTCGAAAACGCAAGTACTTTAAAAGCATGAGAAGCGAATGTCAAAGGATGAAGAAAGAG  
 CAGTCAAAGATGAGCTTCTCAGTAAAAGCCTGAAATCAAACAGAAGTGGGCATCCAGGC  
 TCCTTGCCAAACTGCGCAAAGATATTGCCAGGAGTATCGAGAGGACTNTGTCTACCCG  
 TGACTGGGCAGAAGCACCGTGTGTCTTATCCAATCCCGACCAGAAGGGTANNAGAT  
 ANGAGAATCGACTGCCTGCGACAGGGCAGACAAGTCTGGCGTCTGGATCTAGTCATGGT  
 GATCCTGTTCAAAGGCATTCCCTTGG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_005596 unedited  
 GGCACGCAATCTAGTATCGAGTTTTTTTTTTTTTTTTTTCATTTTTTCTTTTTTAAAGT  
 TTCAAAGTGGTTACACACTGGAAAAGCTGGGTTAAGGGCCGAAATTTAATAAATCTGT  
 ACTGATAACTAAAGGCTACAGAGATTTATATTTTTTTTTAACTTTTAAAAATCAAAGT  
 GCTTATAAAATGGCTGGCTCATGGCTCTGTCAACCAGCACCTCTGACGCCCTCCTAGC  
 CTTGTTGGTGTAGATAACCAGGAATAGTATTCCATGCGTAAACAACAAGAATACTAAAC  
 CAATAAACTAGCTTATCATGCAAAATTAAGGCATCTAGAAAAGTCAGTTAAAATATATT  
 GTCATAGAGACAGAACATCTATTTCCAGCGGACTTCATGTAACAAGGCTACGTTGCAG  
 GGGCTGCGATCTACCATCAGTGAATAATCATCGACCCTTTTATGTCATTACAGTTTCAA  
 CCTTAAGGGAATTAGTGATTGTAAGTGTGCAATTGCTGGTCTATTATCTTCTTTCTTCA  
 GTTTCTTCTCTTCTGCCTTTGAGTTGTTTTGTCCAGTCTTCTCTTTTCTTTTTTTTT  
 ATTTAAAAAAAATTTCTTAACTATAGTTGAGTTTCTTTTTCCCTCAGTTGCTTGT  
 CTGCTTGAAGGAAGTTCTCATTATGTTCAAACCGTAATTTTGACATTGGCCGGTAAAG  
 TGGGTGTCTTTTGACACTTGGAAAAGGAACCGTATCCCGAGTACCAGGACTTTGCCAA  
 GAATTTCCCAAGTATCCTCACTGGACCTGGGTATAAAAAGCCCGCGTTTGATTGATGCG  
 CCATCCCAAACTCCAAGTGTGCTGATGAAGAAGGAAGTTCTTTGGGCTTAATCCCACTT  
 TCATTGCCTTGAATGCGCTGACGCTGCGAAGCTCACCGGAGAAAGGAGGCTATCTTCTC

**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_005596

**Insert Size:**

2890 bp

**OTI Disclaimer:**

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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\\_005596.1](#), [NP\\_005587.1](#)

**RefSeq Size:** 8285 bp

**RefSeq ORF:** 1263 bp

**Locus ID:** 4781

**UniProt ID:** [O00712](#)

**Cytogenetics:** 9p23-p22.3

**Domains:** CTF\_NFI, DWA

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** Recognizes and binds the palindromic sequence 5'-TTGGCNNNNNGCCAA-3' present in viral and cellular promoters and in the origin of replication of adenovirus type 2. These proteins are individually capable of activating transcription and replication.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (3) lacks alternate exons in the 3' end, compared to variant 1. The resulting protein (isoform 3) is shorter when it is compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.