

Product datasheet for **SC323795**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005596.2
 GACTGGGTTTGTGTGAAGTTGCGGTGATCCAGCGCAGAGCCCCGTCTGATTGATCGCA
 TCGCGGGGCTCAGATGACTGTAAAATGAATAGATGAAATCTTGCTTCTCGAAGATTTTC
 TTGGGCATCTCCCGAAAAGTGCCTTTAAAGCGAAGTCATGATGATTCTCCCATCTGTC
 TCACTCAGGATGAATTTACCCATTTCATCGAGGCACTTCTCCACATGTCCTGCAATTG
 CCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAAGC
 GAATGTCAAAGGATGAAGAAAAGAGCAGTCAAAGATGAGCTTCTCAGTGAAAAGCCTGAAA
 TCAAACAGAAGTGGGCATCCAGGCTCCTTGCCAACTGCGCAAAGATATTCGCCAGGAGT
 ATCGAGAGGACTTTGTGCTCACCGTGACTGGCAAGAAGCACCCGTGCTGTGTCTTATCCA
 ATCCCAGCAGAAGGTAAGATTAGGAGAATCGACTGCCTGCGACAGGCAGACAAAAGTCT
 GCGCTCTGGATCTAGTCATGGTGATCCTGTTCAAAGGCATCCCCTTGAAAAGTACCGATG
 GAGAGCGGCTCATGAAATCCCCACATTGCACAAAACCCAGCACTTTGTGTCCAGCCACATC
 ATATCACAGTATCAGTTAAGGAGCTTGATTTGTTTTGGCATACTACGTGCAGGAGCAAG
 ATTCTGGACAATCAGGAAGTCCAAGCCACAATGATCCTGCCAAGAATCCTCCAGGTTACC
 TTGAGGATAGTTTTGTAATACTGGAGTCTTCAATGTATCAGAAGTTGTAAGAGTATCCA
 GAACGCCATAACCCAGGAACTGGAGTCAACTCCCAATTGGAGAAAATCCCAAGCCAAC
 CATACTATCATGACATGAACTCGGGGTCAATCTTCAGAGGTCTCTGTCTTCTCCACAA
 GCAGAAAAGACCCAAAATATATCCATAGATGAAAATATGGAACCAAGTCTACAGGAG
 ACTTTTACCCCTCTCCAAGTTCACCAGCTGCTGGAAGTCGAACATGGCACGAAAAGAGATC
 AAGATATGTTCTTCCGACTACTATGAAGAAGCCTGAAAAGCCATTGTTCCAGCTCTGCAT
 CTCCACAGGATTTTCCCAAGACTGAGCACTTTCCCCAGCACCACCATCCCGGAATAC
 CTGGAGTTGCACACAGTGCATCTCAACTCGAACTCCACCTCCACCTTCCCGTTGCCAT
 TTCCAACACAAGCTATCCTTCTCCAGCCCCATCGAGTACTTTTTCTCATCCAACAATCA
 GATATCCTCCCACTGAATCCTCAGGATACTCTGAAGAAGTATGTACCTTCTTATGACC
 CATCCAGTCCACAACCAGCCAGTCTGTTACCTGGGCTAGCTTGGTTCCCTTTCCAAGTG
 TCAAATAGGACACCCATCTTACCGCCAATGTCCAAAATTACGGTTTGAACATAATTGGA
 GAACCTTTCTTCAAGCAGAAAACAAGCAACTGAGGGAAAAAGAAACACAACAATAGTTTA
 AGAAATTTTTTTTTAAATAAAAAAAAAGGAAAAGAGGAAAGACTGGACAAAACAACAA
 AGGCAGAAAGGAAAGAACTGAAGAAAGAAGATAATAGACCAGCAATTGCAGCACTTACA
 ATCACTAATCCCTTAAGGTTGAACTGTAATGACATAAAAAGGGTCGATGATATTTTAC
 TGATGGTAGATCGCAGCCCTGCAACGTAGCCTTTGTTACATGAAGTCCGCTGGGAAATA
 GATGTTCTGTCTATGACAATATATTTAACTGACTTTCTAGATGCCTTAATATTTGCA
 TGATAAGCTAGTTTTATTGGTTAGTATTCTTGTGTTTACGCATGGAATCACTATTCCT
 GGTATCTCACCACGAAGGCTAGGAGGCGCGTCAGAGGTGCTGGGTGACAGAGCCATG
 AGCCAGCCATTTATAAGCACTCTGATTTCTAAAAGTTAAAAAAAATATGAAATCTCT
 GTAGCCTTTAGTTATCAGTACAGATTTATTAATTTTCGGCCCTTAACCCAGCCTTTTCCA
 GTGTGTAACCCAGTTTGAATCTTAAAAAAGAAAAAAGAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_005596

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_005596.2</u> , <u>NP_005587.2</u>
RefSeq Size:	8159 bp
RefSeq ORF:	1263 bp
Locus ID:	4781
UniProt ID:	<u>O00712</u>
Cytogenetics:	9p23-p22.3
Domains:	CTF_NFI, DWA
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>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]</p> <p>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.</p>