

## Product datasheet for SC335252

### NFIB (NM\_001282787) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NFIB (NM_001282787) 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-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335252 representing NM_001282787. Blue=Insert sequence Red=Cloning site Green=Tag(s)

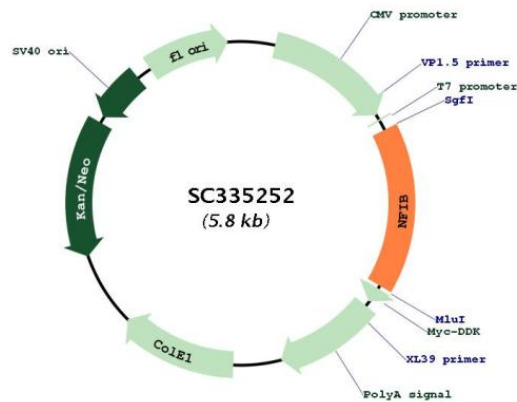
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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGAACTCGGGGTCAATCTTCAGAGGTCTCTGTCTTCTCCACCAAGCAGCAAAAGACCCAAACTATA
TCCATAGATGAAAATATGGAACCAAGTCTACAGGAGACTTTTACCCCTCTCCAAGTTCACCAGCTGCT
GGAAGTCGAACATGGCAGAAAGAGATCAAGATATGTCTTCTCCGACTACTATGAAGAAGCCTGAAAAG
CCATTGTT CAGCTCTGCATCTCCACAGGATTCTCCCAAGACTGAGCACTTTCCCCCAGCACCACCAT
CCCGGAATACCTGGAGTTGCACACAGTGCATCTCAACTCGAACTCCACCTCCACCTTACCCTGGCCA
TTTCCAACACAAGCTATCCTTCTCCAGCCCCATCGAGCTACTTTTCTCATCCAACAATCAGATATCCT
CCCCACCTGAATCCTCAGGATACTCTGAAGAACTATGTACCTTCTTATGACCCATCCAGTCCACAAACC
AGCCAGCCTAACGGCAGTGGTCAAGTAGTGGGAAAGTGCTGGCCATTTCACTCCTGTCTTGGCACCC
TCTCCCCATCCCAGTGCAGTGCACCTGTGACCCTGAGCATGACAGATACTAAACCCATCACTACATCC
ACTGAAGCCTACACAGCCTCAGGCACATCTCAAGCCAATCGATATGTGGGACTAAGCCCAAGAGACCCA
TCCTTCTACATCAGCAACAGCTGAGGATTTGTGACTGGACCATGAATCAAAACGGCAGGCATTTATAC
CCCAGTACCAGT GAGGATACATTGGGAATTACTTGGCAAAGTCTGGTACCTGGGCTAGCTTGGTTCCCT
TTCCAAGTGTCAAATAGGACACCCATCTTACCGCCAATGTCCAAAATTACGGTTTGAACATAATTGGA
GAACCTTTCCTTCAAGCAGAAACAAGCAACTGA
ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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## Plasmid Map:



ACCN: NM\_001282787

Insert Size: 930 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\\_001282787.1](#)

RefSeq Size: 7643 bp

RefSeq ORF: 930 bp

Locus ID: 4781

UniProt ID: [O00712](#)

Cytogenetics: 9p23-p22.3

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

**MW:** 33.5 kDa

**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 (4) contains a distinct 5' UTR, lacks an in-frame portion of the 5' coding region and contains an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (4) is shorter 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.