

Product datasheet for **MC227954**

Nfib (NM_001286131) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfib (NM_001286131) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfib
Synonyms:	6720429L07Rik; CTF; E030026I10Rik; NF-I/B; NF1-B; NFI-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC227954 representing NM_001286131
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGTATTCTCCCATCTGTCTCACTCAGGATGAATTCACCCATTTATTGAGGCCTTCTTCCTCAGG
 TCCGTGCAATTGCCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA
 ACGAATGTGCAAGGATGAAGAAAGGGCAGTCAAAGACGAGCTGCTCAGTGAGAAGCCGAAATCAAGCAG
 AAGTGGGCATCCAGGCTCCTGGCCAAACTGCGCAAAGATATCCGCCAGGAGTACCGGGAGGACTTTGTGC
 TTACCGTGACTGGCAAGAAGCACCCGTGCTGTGTCTTATCCAATCCAGACCAGAAGGGTAAGATTAGGAG
 GATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTGTCTGTTCAAAGGC
 ATCCCTTTGGAGAGTACGGATGGAGAGCGACTCATGAAGTCCCCGCACTGCACAAACCCAGCACTTTGTG
 TTCAGCCACACCACATCACAGTATCAGTTAAGGAGCTTGACTTGTTTTTGGCATACTACGTGCAGGAGCA
 AGATTCTGGACAATCAGGAAGTCCAAGCCACAGTATCCTGCCAAGAATCCTCCAGGGTACCTCGAGGAC
 AGCTTTGTAAAAATCCGGAGTCTTCAATGTATCAGAGCTTGTGAGAGTATCCAGAACCCATAACCCAGG
 GAACTGGAGTCAACTTCCAATCGGAGAAATTCACGCAACCCATACTATCATGACATGAACTCTGGTGT
 GAACCTGCAGAGGTGCTGTCTTCTCCACCGAGCAGCAAAAGACCCAAAATATATCATAGATGAAAAT
 ATGGAGCCAAGTCTACAGGAGACTTTTACCCCTCTCAAATTCACCAGCTGCTGGAAGTGAACATGGC
 ATGAACGAGATCAAGATATGCTTCTCCAATACAATGAAGAAGCCTGAGAAGCCACTGTTTAGCTCTAC
 ATCTCCACAGGATTTTCCCAAGATTGAGCACTTTCCCCAGCACCATCATCCCGAATACCTGGAGTC
 GCGCACAGTGTCACTCAACTCGAACTCCACCTCCGCCCTCACCGTTGCCATTTCCGACGCAAGCTATCC
 TTCTCCGGCACCTTCCAGCTACTTCTCATCCAACAATCAGATATCCTCCTCACCTGAATCCTCAGGA
 TACTCTGAAGAAGTACGTACCTTCTTATGACCCATCCAGTCTCAACGAGCCAGCTGAGGATTTGTGAC
 TGGACCATGAATCAAAACGGCAGGCATTTATACCCAGTACCAGTGGAGTACATTGGGAATTACTTGGC
 AAAGTCTGTTACCTGGGCTAGCTTGGTTCTTTTCAAGTGTCAAATAGGACACCCATCTTACCGGCAAA
 TGTCCAAAATTATGGTTTGAACATAATTGGAGAGCCTTCTTCAAGCGGAGACAAGCA**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001286131
- Insert Size:** 1464 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001286131.1](#), [NP_001273060.1](#)

RefSeq Size: 9021 bp

RefSeq ORF: 1464 bp

Locus ID: 18028

Cytogenetics: 4 38.4 cM

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 (5) lacks two alternate exons in the 3' coding region, compared to variant 1. It encodes isoform 5, which lacks an internal in-frame segment and 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.