

## Product datasheet for **MC202677**

### **Nfib (NM\_008687) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nfib (NM_008687) 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-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC062908 sequence for NM\_008687  
 AACAACTGCAAAAACAGAAAAAATCCCCTAAACCAGGCGACCAGCAGCCTGCACCAGCGGCGGCAGCCT  
 CGGAGAGCTCGGCCGGCGCGCGCAACCGAAGAGGGTTAAAAGTGTAGATTGGATTTACCCCCGGGAAA  
 TCTAGCTCGCCGAGTGAACCTTGAATCTTTGGCTATTTAAGGAGGACTGGGTTTGTGCGAAGTTGCGGTG  
 AACCGCGCAGTGCCCCGCTGATTGATCGCATCGTGGGCTCAGATGACTGTAATGAATAGATGAA  
 ATCCTTGCTTCTGGAAGATTTTCTTGGGCATCTCCGGAAAAGTGCCTTTAAGGCGAAGTCATGATGAT  
 TCTCCCATCTGTCTCACTCAGGATGAATCCACCCATTTATTGAGGCACCTTCTCCTCACGTCCGTGCAA  
 TTGCCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAAACGAATGTC  
 GAAGGATGAAGAAAGGGCAGTCAAAGACGAGCTGCTCAGTGAGAAGCCCGAAAATCAAGCAGAAGTGGGCA  
 TCCAGGCTCCTGGCCAACTGCGCAAAGATATCCGCCAGGAGTACCGGGAGGACTTTGTGCTTACCGTGA  
 CTGGCAAGAAGCACCCGTGCTGTGCTTATCCAATCCAGACCAGAAGGTAAGATTAGGAGGATCGACTG  
 CCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTATCCTGTTCAAAGGCATCCCTTTG  
 GAGAGTACGGATGGAGAGCGACTCATGAAGTCCCCGCACTGCACAAACCCAGCACCTTTGTGTTACGCCAC  
 ACCACATCACAGTATCAGTTAAGGAGCTTGACTTGTGTTTTGGCATACTACGTGCAGGAGCAAGATTCTGG  
 ACAATCAGGAAGTCCAAGCCACAGTATCCTGCCAAGAATCCTCCAGGGTACCTCGAGGACAGCTTTGTA  
 AAATCCGGAGTCTCAATGTATCAGAGCTTGTGAGAGTATCCAGAACACCCATAACCCAGGGAACCTGGAG  
 TCAACTTCCCAATCGGAGAAATCCCAGCCAACATACTATCATGACATGAACTCTGGTGTGAACCTGCA  
 GAGGTGCTGCTTCTCCACCGAGCAGCAAAAAGACCCAAAATATATCTATAGATGAAAATATGGAGCCA  
 AGTCTACAGGAGACTTTTACCCCTCTCCAAATCACCAGCTGCTGGAAGTCGAACATGGCATGAACGAG  
 ATCAAGATATGCTTCTCCAACATAAAGAAAGCCTGAGAAGCCACTGTTTAGCTCTACATCTCCACA  
 GGATCTTCCCAAGATTGAGCACTTTCCCCCAGCACCATCATCCCGAATACCTGGAGTCGCGCACAGT  
 GTCATCTCAACTGAACTCCACCTCCGCCCTCACCGTTGCCATTTCCGACGCAAGCTATCCTTCTCCGG  
 CACCTTCCAGTACTTCTCTCATCCAACAATCAGATATCCTCCTCACCTGAATCCTCAGGATACTCTGAA  
 GAACTACGTACCTTCTTATGACCCATCCAGTCTCCTCAAACGAGCCAGTCTGGTACCTGGGCTAGCTTGGT  
 TCTTTTTCAAGTGTCAAATAGGACACCCATCTTACCGGCAAAATGTCCAAAATTATGGTTTGAACATAATT  
 GGAGAGCCTTTCTTCAAGCGGAGACAAGCAACTGAGGGGAAAGAACCACAACCATAGTATAAGAAAATT  
 AGGGGAAAAACACCCAACAAAGGAAAAGAGGAAGACTGGACAACAGGAGAAAGGAGAGAAAATGAAGAA  
 AGAAGACGGTAGACCAGCATTGCAGCACTTACAGTCACTAATCCCTTAAAGTTGAGACTATAGTGACAG  
 GAAAGGGTCAATGACATCTCACTGATGCTAGACTGCAGCCCTGCACCGTAGCCTTTGTTACATGAAGTC  
 CGCTGGGAAATAGATGTTCTGTCTATGACAATATATTTAACTGACTTCTAGATGCCTTAATATTTG  
 CATGATAAGCTAGTTTTCTTGGTTAGTATCTTGTGTTTACGCATGGAGTCACTATTCCTGGTTATCTC  
 AACAAACGAAGGCTAGGAGCGCGCTCAGAGGTGCTGGGGACAGGCCATGAGCCAGCCATTTTATAAGCA  
 CTCTGATTTCTAAAAGTTAAAATTATATATATATATATATAATAAAGAATCTCTGTAGCCTTTA  
 GTTATCCGTACAGATTTATTAATTTTGGCCCTTAACCCAGCCTTTTCCAGTGTGTAACCCAGTTTGAAA  
 TCTTAAAAAGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI

**ACCN:** NM\_008687

**Insert Size:** 1263 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:** [BC062908](#), [AAH62908](#)

**RefSeq Size:** 2338 bp

**RefSeq ORF:** 1263 bp

**Locus ID:** 18028

**UniProt ID:** [P97863](#)

**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 (3) lacks three alternate exons in the 3' coding region, which results in a frameshift and an early stop codon, compared to variant 1. It encodes isoform 3, which is shorter and has a distinct C-terminus, 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.