

## Product datasheet for MR206682

### Nfib (NM\_008687) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nfib (NM_008687) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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)
ORF Nucleotide Sequence:	>MR206682 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGTATTCTCCCATCTGTCTCACTCAGGATGAATCCACCCATTTATTGAGGCACTTCTTCCTCAG  
TCCGTGCAATTGCCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA  
ACGAATGTGCAAGGATGAAGAAAGGGCAGTCAAAGACGAGCTGCTCAGTGAAGCCGAAATCAAGCAG  
AAGTGGGCATCCAGGCTCTGGCCAAATGCGCAAAGATATCCGCCAGGAGTACCGGGAGGACTTTGTGC  
TTACCGTACTGGCAAGAAGCACCCGTGTGTCTTATCCAATCCAGACCAGAAGGGTAAGATTAGGAG  
GATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTATCCTGTTCAAAGGC  
ATCCCTTTGGAGAGTACGGATGGAGAGCGACTCATGAAGTCCCCGCACTGCACAAACCCAGCACTTTGTG  
TTCAGCCACACCACATCAGATCAGTTAAGGAGCTTGACTTGTGTTTGGCATACTACGTGCAGGAGCA  
AGATTCTGGACAATCAGGAAGTCCAAGCCACAGTATCCTGCCAAGAATCCTCCAGGGTACCTCGAGGAC  
AGCTTTGTAATAATCCGGAGTCTTCAATGTATCAGAGCTTGTGAGAGTATCCAGAACCCATAACCCAGG  
GAACTGGAGTCAACTTCCAATCGGAGAAATCCCAGCCAACCATACTATCATGACATGAACTCTGGTGT  
GAACTGCAGAGTCTGCTCTTCTCCACCGAGCAGCAAAAGACCCAAAACATACTATATAGATGAAAAT  
ATGGAGCCAAGTCTACAGGAGACTTTTACCCCTCCTCAAATCACCAGTCTGGAAGTGAACATGCG  
ATGAACGAGATCAAGATATGCTTCTCCAACATAAATGAAGAAGCCTGAGAAGCCACTGTTTAGCTCTAC  
ATCTCCACAGGATTCTTCCCAAGATTGAGCACTTTCCCCAGCACCATCATCCCGGAATACCTGGAGTC  
GCGCACAGTGTACTCAACTCGAACTCCACCTCCGCCCTCACCGTTGCCATTTCCGACGCAAGCTATCC  
TTCCTCCGGCACCTTCCAGCTACTTCTCTCATCCAACAATCAGATATCCTCCTCACCTGAATCCTCAGGA  
TACTCTGAAGAACTACGTACTTCTTATGACCCATCCAGTCTCAAACGAGCCAGTCTGGTACCTGGGC

**ACGGT**ACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR206682 protein sequence  
Red=Cloning site Green=Tags(s)

MMYSPICLTQDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKKHEKRMKDEERAVKDELLSEKPEIKQ  
 KWASRLAKLRKDIRQEYREDFLTVTGKKHPCCVLSNPDQKGIIRRIDCLRQADKVVRLDLVMVILFKG  
 IPLESTDGERLMKSPHCNPAALCVQPHHITVSVKELDLFLAYYYQEQDSGQSGSPSHSDPAKNPPGYLED  
 SFVKSGVFNVSELVRVSRTPITQGTGVNFPIGEIPSQPYHYDMNSGVNLQRSLSSPSSSRPKTISIDEN  
 MEPSPTGDFYPSNPAAGSRTWHERDQDMSSPTTMKKPEKPLFSSSTSPQDSSPRLSTFPQHHPGIPGV  
 AHSVISTRTPPPSPLPFPTQAILPPAPSSYFSHTPIRYPPHLNPQDTLKNYVPSYDPSSPQTSQSWYLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_008687

**ORF Size:** 1263 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_008687.6](#)

**RefSeq Size:** 8932 bp

**RefSeq ORF:** 1263 bp

**Locus ID:** 18028

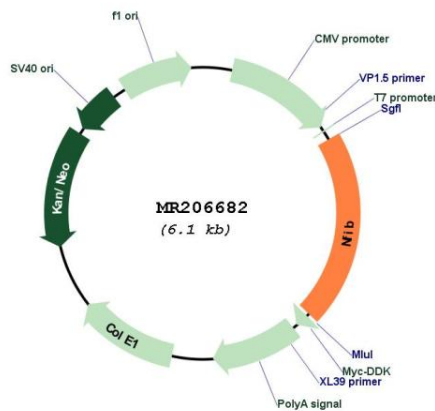
**UniProt ID:** [P97863](#)

**Cytogenetics:** 4 38.4 cM

**MW:** 47.5 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]

### Product images:



Circular map for MR206682