

Product datasheet for **MR230165**

Nfib (NM_001286131) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR230165 representing NM_001286131
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGTATTCTCCCATCTGTCTCACTCAGGATGAATCCACCCATTTATTGAGGCACTTCTTCCTCAGC
 TCCGTGCAATTGCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA
 ACGAATGTCGAAGGATGAAGAAAGGGCAGTCAAAGACGAGCTGCTCAGTGAGAAGCCGAAATCAAGCAG
 AAGTGGGCATCCAGGCTCCTGGCCAACTGCGCAAAGATATCCGCCAGGAGTACCGGGAGGACTTTGTGC
 TTACCGTGACTGGCAAGAAGCACCCGTGCTGTGCTTATCCAATCCAGACCAGAAGGTAAGATTAGGAG
 GATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTGTCTGTTCAAAGGC
 ATCCCTTTGGAGAGTACGGATGGAGAGCGACTCATGAAGTCCCCGCACTGCACAAACCCAGCACTTTGTG
 TTCAGCCACACCACATCACAGTATCAGTTAAGGAGCTTGACTTGTTTTTGGCATACTACGTGCAGGAGCA
 AGATTCTGGACAATCAGGAAGTCCAAGCCACAGTATCCTGCCAAGAATCCTCCAGGGTACCTCGAGGAC
 AGCTTTGTAAAAATCCGGAGTCTTCAATGTATCAGAGCTTGTGAGAGTATCCAGAACCCATAACCCAGG
 GAACTGGAGTCAACTTCCAATCGGAGAAATCCAGCCAACCTACTATCATGACATGAACTCTGGTGT
 GAACCTGCAGAGGTGCTGTCTTCTCCACCGAGCAGCAAAAGACCCAAAATATATCATAGATGAAAAAT
 ATGGAGCCAAGTCTACAGGAGACTTTTACCCCTCCTCAAATTCACCAGCTGCTGGAAGTGAACATGGC
 ATGAACGAGATCAAGATATGCTTCTCCAATACAATGAAGAAGCCTGAGAAGCCACTGTTTAGCTCTAC
 ATCTCCACAGGATTTTCCCAAGATTGAGCACTTTCCCCAGCACCATCATCCCGAATACCTGGAGTC
 GCGCACAGTGTCACTCAACTCGAACTCCACCTCCGCCCTCACCGTTGCCATTTCCGACGCAAGCTATCC
 TTCTCCGGCACCTTCCAGCTACTTCTCTCATCAACAATCAGATATCCTCCTCACCTGAATCCTCAGGA
 TACTCTGAAGAAGTACGTACCTTCTTATGACCCATCCAGTCTCAACGAGCCAGCTGAGGATTTGTGAC
 TGGACCATGAATCAAACGGCAGGCATTTATACCCAGTACCAGTGGAGTACATTGGGAATTACTTGGC
 AAAGTCTGTTACCTGGGCTAGCTTGGTTCTTTTCAAGTGTCAAATAGGACACCCATCTTACCGCAAA
 TGTCAAAATTATGGTTTGAACATAATTGGAGAGCCTTCTTCAAGCGGAGACAAGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230165 representing NM_001286131
 Red=Cloning site Green=Tags(s)

MMYSPICLTQDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKKHEKRMSKDEERAVKDELLSEKPEIKQ
 KWASRLAKLRKDIRQEYREDFVLTVTGKKHPCCVLSNPDQKGIKIRRIDCLRQADKVVRLDLVMVILFKG
 IPLESTDGERLMKSPHCTNPALCVQPHHITVSVKELDLFLAYYVQEQDSGSGSPSHSDPAKNPPGYLED
 SFVKSGVFNSELVRVSRPTITQGTGVNFPIGEIPSQPYHDMNSGVNLQRSLSPSSKRPKTISIDEN
 MEPSPTGDFYSPNSPAAGSRTWHERDQDMSPTTMKKPEKPLFSSTSPQDSSPRLSTFPQHHPGIPGV
 AHSVISTRTPPPSPLPFPTQAILPPAPSSYF SHPTIRYPPHLNPQDTLKNYVPSYDPSSPQTSQLRICD
 WTMNQNGRHLYPSTEDLGITWQSPGTWASLVFPQVSNRTPILPANVQNYGLNIIGEPFLQAETS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

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

MW: 55.4 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]