

## Product datasheet for **MR230221**

### **Nfib (NM\_001286127) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nfib (NM_001286127) 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:**

>MR230221 representing NM\_001286127  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATGTATTCTCCCATCTGTCTCACTCAGGATGAATTCACCCATTTATTGAGGCCTTCTTCCTCAGC  
 TCCGTGCAATTGCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA  
 ACGAATGTGAAGGATGAAGAAAGGGCAGTCAAAGACGAGCTGCTCAGTGAGAAGCCGAAATCAAGCAG  
 AAGTGGGCATCCAGGCTCCTGGCCAACTGCGCAAAGATATCCGCCAGGAGTACCGGGAGGACTTTGTGC  
 TTACCGTGACTGGCAAGAAGCACCCGTGCTGTGCTTATCCAATCCAGACCAGAAGGGTAAGATTAGGAG  
 GATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTATCCTGTTCAAAGGC  
 ATCCCTTTGGAGAGTACGGATGGAGAGCGACTCATGAAGTCCCCGCACTGCACAAACCCAGCACTTTGTG  
 TTCAGCCACACCACATCACAGTATCAGTTAAGGAGCTTGACTTGTTTTTGGCATACTACGTGCAGGAGCA  
 AGATTCTGGACAATCAGGAAGTCCAAGCCACAGTATCCTGCCAAGAATCCTCCAGGGTACCTCGAGGAC  
 AGCTTTGTAAAAATCCGGAGTCTTCAATGTATCAGAGCTTGTGAGAGTATCCAGAACCCATAACCCAGG  
 GAACTGGAGTCAACTTCCAATCGGAGAAATCCAGCCAAACATACTATCATGACATGAACTCTGGTGT  
 GAACCTGCAGAGGTGCTGTCTTCTCCACCGAGCAGCAAAAGACCCAAAATATATCATAGATGAAAAAT  
 ATGGAGCCAAGTCTACAGGAGACTTTTACCCCTCCTCAAATTCACCAGCTGCTGGAAGTGAACATGGC  
 ATGAACGAGATCAAGATATGTCTTCTCAAATACAATGAAGAAGCCTGAGAAGCCACTGTTTAGCTCTAC  
 ATCTCCACAGGATTTTCCCAAGATTGAGCACTTTCCCCAGCACCATCATCCCGAATACCTGGAGTC  
 GCGCACAGTGTATCTCAACTCGAACTCCACCTCCGCCCTCACCGTTGCCATTTCCGACGCAAGCTATCC  
 TTCTCCGGCACCTTCCAGCTACTTCTCTCATCAACAATCAGATATCCTCCTCACCTGAATCCTCAGGA  
 TACTCTGAAGAAGTACGTACCTTCTTATGACCCATCCAGTCTCAACGAGCCAGCCTAACAGCAGTGGT  
 CAAGTAGTAGGAAAGTGCCTGGCCATTTACACCTGTCTTGGCACCTCTCCCATCCAGTGCAGTGC  
 GACCTGTGACCTGACCATGACAGATACTAAACCCATCACTACATCCACTGAAGCCTACACAGCCTCAGG  
 CACATCTCAAGCCAATCGATATGTGGGACTAAGCCCAAGAGACCCATCCTTCTGCATCAGCAACAGTCC  
 TGGTACCTGGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR230221 representing NM\_001286127  
 Red=Cloning site Green=Tags(s)

MMYSPICLTQDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKKHEKRMSKDEERAVKDELLSEKPEIKQ  
 KWASRLAKLRKDIRQEYREDFVLTVTGKKHPCCVLSNPQKKGKIRRIDCLRQADKVRDLVMVILFKG  
 IPLESTDGERLMKSPHCTNPALCVQPHHITVSVKELDLFLAYYVQEQDSGQSGSPSHSDPAKNPPGYLED  
 SFVKSGVFNSELVRSRTPITQGTGVNFIPIGIPSQPYHYDMNSGVNLQRSLSSPPSSKRPKTISIDEN  
 MEPSPTGDFYPSPNSPAAGSRTWHERDQDMSPTTMMKPEKPLFSSTSPQDSSPRLSTFPQHHPGIPGV  
 AHSVISTRTPPPPSPLPFPTQAILPPAPSSYFSHTIRYPPHLNPQDCLKNYVPSYDPSSPQTSQPNSSG  
 QVVGKVPGHFTPLVAPSPHSAVRPVTLTMTDTKPIITSTEAYTASGTSQANRYVGLSPRDPSTFLHQQS  
 WYLG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

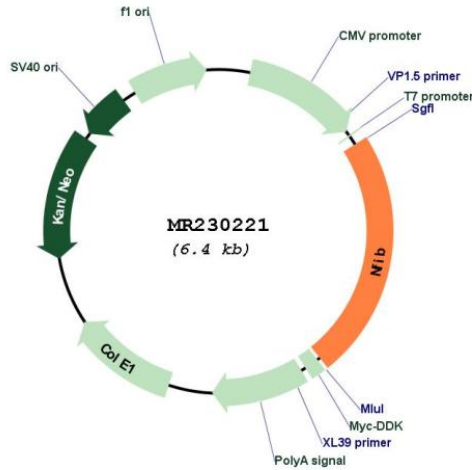
Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

Plasmid Map:



ACCN: NM\_001286127

ORF Size: 1482 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\\_001286127.1](#), [NP\\_001273056.1](#)

**RefSeq Size:** 9154 bp

**RefSeq ORF:** 1485 bp

**Locus ID:** 18028

**Cytogenetics:** 4 38.4 cM

**MW:** 55.7 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]