

## Product datasheet for **RR212571**

### **Nfib (NM\_031566) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nfib (NM_031566) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfib
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR212571 representing NM\_031566  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATGTATTCTCCCATCTGTCTCACTCAGGATGAATTCACCCATTTATTGAGGCGCTTCTCCACAGC  
 TCCGTGCAATCGCTATACGTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA  
 GCGGATGTCGAAGGATGAAGAAAGAGCAGTCAAAGATGAGCTGCTCAGTAAAAGCCTGAAATCAAACAG  
 AAGTGGGCATCCAGGCTCCTGGCCAAGCTGCGCAAAGATATCCGCCAGGAGTACCGCAGGACTTTGTGC  
 TTACCGTGACTGGCAAGAAGCACCCGTGCTGTGCTTATCCAATCCAGACCAGAAGGTAAGATTAGGAG  
 GATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTGTCTGTTCAAAGGC  
 ATCCCTTTGGAGAGTACCGATGGAGAGCGACTTATGAAGTCCCCACACTGCACAAACCCAGCACTTTGTG  
 TGCAGCCGCACCATATCACAGTATCAGTTAAGGAGCTTGACCTGTTTTTGGCATACTACGTGCAGGAGCA  
 AGATTCTGGGCAATCAGGAAGTCCAAGCCACAATGATCCTGCCAAGAATCCTCCAGGGTACCTAGAGGAC  
 AGTTTTGTAAAATCCGGAGTCTTCAACGTATCAGAGCTTGTGAGAGTATCCAGAACCCATAACCCAGG  
 GGACTGGAGTCAACTTCCAATCGGAGAAATCCCCAGCCAACCATACTATCATGACATGAACTCTGGCGT  
 GAACCTGCAGAGGTGCTGTCTTCTCCACCGAGCAGAAAAGACCCAAAATATATCCATAGATGAAAAT  
 ATGGAGCCAAGTCTACAGGAGACTTTTACCCCTCCTCAAATTCACCAGCTGCTGGAAGTGAACATGGC  
 ATGAGCGAGATCAAGATATGTCTTCTCAAATACAATGAAGAAGCCTGAGAAGCCACTGTTTAGCTCTAC  
 ATCTCCACAGGATTCTTCCCAAGATTGAGCACTTTTCCCGCAGCACCACCATCCCGAATACCTGGAGTC  
 GCGCACAGTGTCACTCAACTCGAACTCCACCTCACCCTCACCCTGTTGCCATTTCCAACGAAGCTATCC  
 TTCTCCAGCACCATCAAGTTACTTTTCTCATCAACAATCAGATATCCTCCTCACCTGAATCCTCAGGA  
 TACTCTGAAGAAGTATGTACCTTCTATGACCCGTCCAGTCTCAACGAGCCAGCCTAACAGCAGTGGT  
 CAAGTAGTAGGAAAGTGCCTGGCCATTTACGCGCTGTCTTGGCACCTCTCCCATCCAGTGCAGTGC  
 GACCTGTGACCCTGACCATGACAGATACTAAACCCATCACTACATCCACTGAAGCCTACACAGCCTCAGG  
 CACATCTCAAGCCAATCGATATGTGGGACTAAGCCCAAGAGACCCATCCTTCTGCATCAGCAACAGTCC  
 TGGTACCTGGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR212571 representing NM\_031566  
 Red=Cloning site Green=Tags(s)

MMYSPICLTQDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKKHEKRMSKDEERAVKDELLSEKPEIKQ  
 KWASRLLAKLRKDIRQEYREDFVLTVTGKHKPCCVLSNPDQKGIIRRIDCLRQADKVRWLDLVMVILFKG  
 IPLESTDGERLMKSPHCTNPALCVQPHHITVSVKELDLFLAYVYQEQDSGQSGSPSHNDPAKNPPGYLED  
 SFVKSGVFNSELVRVSRTPITQGTGVNFPIGEIPSQPYHDMNSGVNLQRSLSSPPSSKRPKTISIDEN  
 MEPSPTGDFYSPNSPAAGSRTWHERDQDMSSPTTMMKPEKPLFSSTSPQDSSPRLSTFPQHHPGIPGV  
 AHSVISTRTPPPSPLPFPTQAILPPAPSSYFSHPTIRYPPHLPQDTLKNYVPSYDPSSPQTSQPNSSG  
 QVVGKVPGHFTPVLAPSPHSAVRPVTLTMTDTKPITTTSTEAYTASGTSQANRYVGLSPRDPSTFLHQQS  
 WYLG

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

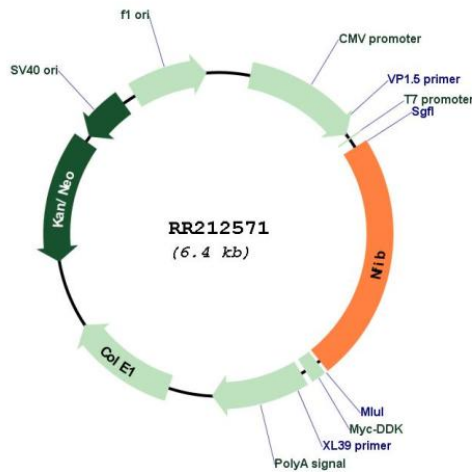
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_031566

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\\_031566.1](#), [NP\\_113754.1](#)

**RefSeq Size:** 2201 bp

**RefSeq ORF:** 1485 bp

**Locus ID:** 29227

**Cytogenetics:** 5q31

**MW:** 55.3 kDa

**Gene Summary:** may regulate gene expression in olfactory neurons [RGD, Feb 2006]