

Product datasheet for **MR226198**

Nfib (NM_001113210) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfib (NM_001113210) 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:

>MR226198 representing NM_001113210
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGTATTCTCCATCTGTCTCACTCAGGATGAATCCACCCATTTATTGAGGCCTTCTTCTCAGC
 TCCGTGCAATTGCTTACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA
 ACGAATGTGCAAGGATGAAGAAAGGGCAGTCAAAGACGAGCTGCTCAGTGAGAAGCCGAAATCAAGCAG
 AAGTGGGCATCCAGGCTCCTGGCCAACTGCGCAAAGATATCCGCCAGGAGTACCGGGAGGACTTTGTGC
 TTACCGTGACTGGCAAGAAGCACCCGTGCTGTGCTTATCCAATCCAGACCAGAAGGTAAGATTAGGAG
 GATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTGTCTGTTCAAAGGC
 ATCCCTTTGGAGAGTACGGATGGAGAGCGACTCATGAAGTCCCCGACTGCACAAACCCAGCACTTTGTG
 TTCAGCCACACCACATCACAGTATCAGTTAAGGAGCTTGACTTGTTTTTGGCATACTACGTGCAGGAGCA
 AGATTCTGGACAATCAGGAAGTCCAAGCCACAGTATCCTGCCAAGAATCCTCCAGGGTACCTCGAGGAC
 AGCTTTGTAAAAATCCGGAGTCTTCAATGTATCAGAGCTTGTGAGAGTATCCAGAACCCATAACCCAGG
 GAACTGGAGTCAACTTCCAATCGGAGAAATCCAGCCAACCTACTATCATGACATGAACTCTGGTGT
 GAACCTGCAGAGGTGCTGTCTTCTCCACCGAGCAGCAAAAGACCCAAAATATATCATAGATGAAAAAT
 ATGGAGCCAAGTCTACAGGAGACTTTTACCCCTCCTCAAATTCACCAGCTGCTGGAAGTGAACATGGC
 ATGAACGAGATCAAGATATGTCTTCTCAAATACAATGAAGAAGCCTGAGAAGCCACTGTTTAGCTCTAC
 ATCTCCACAGGATTTTCCCAAGATTGAGCACTTTCCCCCAGCACCATCATCCCGGAATACCTGGAGTC
 GCGCACAGTGTCACTCAACTCGAACTCCACCTCCGCCCTCACCGTTGCCATTTCCGACGCAAGCTATCC
 TTCTCCGGCACCTTCCAGCTACTTCTCTCATCAACAATCAGATATCCTCTCACCTGAATCCTCAGGA
 TACTCTGAAGAAGTACGTACCTTCTTATGACCCATCCAGTCTCAACGAGCCAGCCTAACAGCAGTGGT
 CAAGTAGTAGGAAAGTGCCTGGCCATTTACACCTGTCTTGGCACCTCTCCCATCCAGTGCAGTGC
 GACCTGTGACCCTGACCATGACAGATACTAAACCCATCACTACATCCACTGAAGCCTACACAGCCTCAGG
 CACATCTCAAGCCAATCGATATGTGGGACTAAGCCCAAGAGACCCATCCTTCTGCATCAGCAACAGCTG
 AGGATTTGTGACTGGACCATGAATCAAAACGGCAGGCATTTATACCCAGTACCAGTGGAGTACATTGG
 GAATTACTTGCAAAAGTCTGGTACCTGGGCTAGCTTGGTTCTTTTCAAGTGTCAAATAGGACACCCAT
 CTTACCGGCAAAATGCCAAAATTATGGTTTGAACATAATTGGAGAGCCTTCTCTCAAGCGGAGACAAGC
 AAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226198 representing NM_001113210
 Red=Cloning site Green=Tags(s)

MMYSPICLTQDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKKHEKRMSKDEERAVKDELLSEKPEIKQ
 KWASRLLAKLRKDIRQEYREDFVLTVTGKKHPCCVLSNPDQKGIKRRIDCLRQADKVVRLDLVMVILFKG
 IPLESTDGERLMSPHCTNPALCVQPHHITVSVKELDLFLAYYVQEQDSGQSGSPSHSDPAKNPPGYLED
 SFVKSGVFNSELVRVSRTPITQGTGVNFPIGEIPSPYYHDMNSGVNLQRSLSSPSSKRPKTISIDEN
 MEPSPTGDFYPSNPAAGSRTWHERDQDMSSPTTMKKPEKPLFSSTSPQDSSPRLSTFPQHHPGIPGV
 AHSVISTRTPPPSPLPFPTQAILPPAPSSYFSHPTIRYPPHLNPQDTLKNYVPSYDPSSPQTSQPNSG
 QVVGKVPGHFTPVLAPSPHSAVRPVTLTMTDTKPIITSTEAYTASGTSQANRYVGLSPRDPSTFLHQQQL
 RICDWTMNQNGRHLYPSTSEDTLGITWQSPGTWASLVPFQVSNRTPILPANVQNYGLNIIGEPFLQAETS
 N

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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_001113210.2
RefSeq Size:	8772 bp
RefSeq ORF:	1686 bp
Locus ID:	18028
Cytogenetics:	4 38.4 cM
MW:	63.1 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]