

Product datasheet for **MG226198**

Nfib (NM_001113210) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfib (NM_001113210) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nfib
Synonyms:	6720429L07Rik; CTF; E030026I10Rik; NF-I/B; NF1-B; NFI-B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG226198 representing NM_001113210
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGTATTCTCCCATCTGTCTCACTCAGGATGAATTCACCCATTTATTGAGGCCTTCTTCTCAGC
 TCCGTGCAATTGCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA
 ACGAATGTGCAAGGATGAAGAAAGGGCAGTCAAAGACGAGCTGCTCAGTGAGAAGCCGAAATCAAGCAG
 AAGTGGGCATCCAGGCTCCTGGCCAACTGCGCAAAGATATCCGCCAGGAGTACCGGGAGGACTTTGTGC
 TTACCGTGACTGGCAAGAAGCACCCGTGCTGTGCTTATCCAATCCAGACCAGAAGGGTAAGATTAGGAG
 GATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTGTCTGTTCAAAGGC
 ATCCCTTTGGAGAGTACGGATGGAGAGCGACTCATGAAGTCCCCGCACTGCACAAACCCAGCACTTTGTG
 TTCAGCCACACCACATCACAGTATCAGTTAAGGAGCTTGACTTGTTTTTGGCATACTACGTGCAGGAGCA
 AGATTCTGGACAATCAGGAAGTCCAAGCCACAGTATCCTGCAAGAATCCTCCAGGGTACCTCGAGGAC
 AGCTTTGTAAAAATCCGGAGTCTTCAATGTATCAGAGCTTGTGAGAGTATCCAGAACCCATAACCCAGG
 GAACTGGAGTCAACTTCCAATCGGAGAAATCCAGCCAACTACTATCATGACATGAACTCTGGTGT
 GAACCTGCAGAGGTGCTGTCTTCTCCACCGAGCAGCAAAAGACCCAAAATATATCATAGATGAAAAAT
 ATGGAGCCAAGTCTACAGGAGACTTTTACCCCTCCTCAAATTCACCAGCTGCTGGAAGTGAACATGGC
 ATGAACGAGATCAAGATATGTCTTCTCAAATACAATGAAGAAGCCTGAGAAGCCACTGTTTAGCTCTAC
 ATCTCCACAGGATTTTCCCAAGATTGAGCACTTTCCCCCAGCACCATCATCCCGGAATACCTGGAGTC
 GCGCACAGTGTATCTCAACTCGAACTCCACCTCCGCCCTCACCGTTGCCATTTCCGACGCAAGCTATCC
 TTCTCCGGCACCTTCCAGCTACTTCTCTCATCCAACAATCAGATATCCTCCTCACCTGAATCCTCAGGA
 TACTCTGAAGAAGTACGTACCTTCTTATGACCCATCCAGTCTCAACGAGCCAGCCTAACAGCAGTGGT
 CAAGTAGTAGGAAAGTGCCTGGCCATTTACACCTGTCTTGGCACCTCTCCCATCCAGTGCAGTGC
 GACCTGTGACCCTGACCATGACAGATACTAAACCCATCACTACATCCACTGAAGCCTACACAGCCTCAGG
 CACATCTCAAGCCAATCGATATGTGGGACTAAGCCCAAGAGACCCATCCTTCTGCATCAGCAACAGCTG
 AGGATTTGTGACTGGACCATGAATCAAAACGGCAGGCATTTATACCCAGTACCAGTGGAGTACATTGG
 GAATTACTTGGCAAAGTCTGGTACCTGGGCTAGCTTGGTTCTTTTCAAGTGTCAAATAGGACACCCAT
 CTTACCGGCAAATGTCCAAAATTATGGTTTGAACATAATTGGAGAGCCTTCTTCAAGCGGAGACAAGC
 AAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG226198 representing NM_001113210
 Red=Cloning site Green=Tags(s)

MMYSPICLTQDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKKHEKRMKDEERAVKDELLSEKPEIKQ
 KWASRLLAKLRKDIRQEYREDFVLTVTGKHKPCCVLSNPQKKGKIRRIDCLRQADKVRWLDLVMVILFKG
 IPLESTDGERLMKSPHCTNPALCVQPHHITVSVKELDLFLAYYVQEQDSGQSGSPSHSDPAKNPPGYLED
 SFVKSGVFNSELVRVSRPITQGTGVNFPIGEIPSQPYHDMNSGVNLQRSLSSPPSSKRPKTISIDEN
 MEPSPTGDFYPSPNSPAAGSRTWHERDQDMSSPTTMMKPEKPLFSSTSPQDSSPRLSTFPQHHPGIPGV
 AHSVISTRTPPPSPLPFPQAILPPAPSSYFSHPTIRYPPHLNPQDTLKNYVPSYDPSSPQTSQPNSG
 QVVGKVPGHFTPVLAPSPHSAVRPVTLTMTDTKPITTSAYTASGTSQANRYVGLSPRDPSTLHQQL
 RICDWTMNQNGRHLYPSTSEDTLGITWQSPGTWASLVPFQVSNRTPILPANVQNYGLNIIGEPFLQAETS
 N

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001113210

ORF Size: 1683 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_001113210.2](#)

RefSeq Size: 8772 bp

RefSeq ORF: 1686 bp

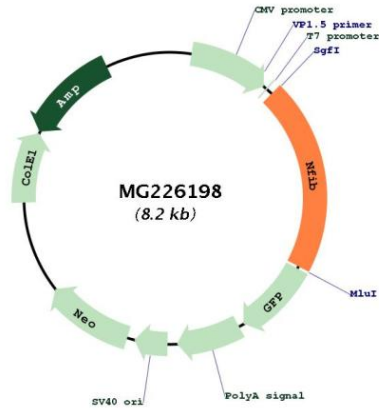
Locus ID: 18028

Cytogenetics: 4 38.4 cM

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 MG226198