

Product datasheet for **MG208973**

Nfib (BC014290) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfib (BC014290) 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)



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ORF Nucleotide Sequence:

>MG208973 representing BC014290
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGTATTCTCCCATCTGTCTCACTCAGGATGAATTCACCCATTTATTGAGGCCTTCTTCTCAG
 TCCGTGCAATTGCTTACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA
 ACGAATGTGCAAGGATGAAGAAAGGGCAGTCAAAGACGAGCTGCTCAGTGAGAAGCCGAAATCAAGCAG
 AAGTGGGCATCCAGGCTCCTGGCCAACTGCGCAAAGATATCCGCCAGGAGTACCGGGAGGACTTTGTGC
 TTACCGTGACTGGCAAGAAGCACCCGTGCTGTGCTTATCCAATCCAGACCAGAAGGTAAGATTAGGAG
 GATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTGTCTGTTCAAAGGC
 ATCCCTTTGGAGAGTACGGATGGAGAGCGACTCATGAAGTCCCCGCACTGCACAAACCCAGCACTTTGTG
 TTCAGCCACACCACATCACAGTATCAGTTAAGGAGCTTGACTTGTTTTTGGCATACTACGTGCAGGAGCA
 AGATTCTGGACAATCAGGAAGTCCAAGCCACAGTATCCTGCCAAGAATCCTCCAGGGTACCTCGAGGAC
 AGCTTTGTAAAAATCCGGAGTCTTCAATGTATCAGAGCTTGTGAGAGTATCCAGAACCCATAACCCAGG
 GAACTGGAGTCAACTTCCAATCGGAGAAATCCAGCCAACTACTATCATGACATGAACTCTGGTGT
 GAACCTGCAGAGGTGCTGTCTTCTCCACCGAGCAGAAAAGACCCAAAATATATCATAGATGAAAAT
 ATGGAGCCAAGTCTACAGGAGACTTTTACCCCTCCTCAAATTCACCAGCTGCTGGAAAGTGAACATGGC
 ATGAACGAGATCAAGATATGCTTCTCCAATACAATGAAGAAGCCTGAGAAGCCACTGTTTAGCTCTAC
 ATCTCCACAGGATTTTCCCAAGATTGAGCACTTTCCCCCAGCACCATCATCCCGGAATACCTGGAGTC
 GCGCACAGTGTATCTCAACTCGAACTCCACCTCCGCCCTCACCGTTGCCATTTCCGACGCAAGCTATCC
 TTCTCCGGCACCTTCCAGCTACTTCTCTCATCCAACAATCAGATATCCTCCTCACCTGAATCCTCAGGA
 TACTCTGAAGAAGTACGTACCTTCTTATGACCCATCCAGTCTCAACGAGCCAGCCTAACAGCAGTGGT
 CAAGTAGTAGGAAAGTGCCTGGCCATTTACACCTGTCTTGGCACCTCTCCCATCCAGTGCAGTGC
 GACCTGTGACCCTGACCATGACAGATACTAAACCCATCACTACATCCACTGAAGGTGAGGCAGTTCACC
 TACAGCAACCACCTACACAGCCTCAGGCACATCTCAAGCCAATCGATATGTGGGACTAAGCCCAAGAGAC
 CCATCCTTCTGCATCAGCAACAGCTGAGGATTTGTGACTGGACCATGAATCAAACGGCAGGCATTTAT
 ACCCCAGTACCAGTGAGGATACATTGGGAATTACTTGGCAAAGTCTGGTACCTGGGCTAGCTTGGTTCC
 TTTTCAAGTGCAATAGGACACCCATCTTACCGCAAATGTCCAAAATTATGGTTTGAACATAATTGGA
 GAGCCTTCTTCAAGCGGAGACAAGCAAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208973 representing BC014290
 Red=Cloning site Green=Tags(s)

MMYSPICLTQDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKKHEKRMKDEERAVKDELLSEKPEIKQ
 KWASRLLAKLRKDIRQEYREDFVLTVTGKHKPCCVLSNPDQKGIKRRIDCLRQADKVRWLDLVMVILFKG
 IPLESTDGERLMKSPHCTNPALCVQPHHITVSVKELDLFLAYYVQEQDSGQSGSPSHSDPAKNPPGYLED
 SFVKSGVFNSELVRVSRPITQGTGVNFPIGEIPSQPYHDMNSGVNLQRSLSSPPSSKRPKTISIDEN
 MEPSPTGDFYPSPNSPAAGSRTWHERDQDMSSPTTMMKPEKPLFSSTSPQDSSPRLSTFPQHHPGIPGV
 AHSVISTRTPPPSPLPFPQAILPPAPSSYFSHPTIRYPPHLNPQDTLKNYVPSYDPSSPQTSQPNSSG
 QVVGVKVPGHFTPVLAPSPHSAVRPVTLTMTDTKPITTSSTEGEASPTATTYTASGTSQANRYVGLSPRD
 PSFLHQQLRICDWTMNQNGRHLYPSTSEDTLGITWQSPGTWASLVFPQVSNRTPILPANVQNYGLNIIG
 EPFLQAETSN

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: BC014290

ORF Size: 1710 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

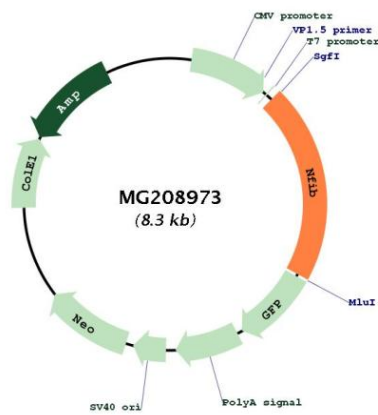
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC014290](#), [AAH14290](#)
RefSeq Size: 2386 bp
RefSeq ORF: 1712 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 MG208973