

Product datasheet for **MG206682**

Nfib (NM_008687) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfib (NM_008687) 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)
ORF Nucleotide Sequence:	>MG206682 representing NM_008687 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTATTCTCCCATCTGTCTCACTCAGGATGAATCCACCCATTTATTGAGGCACTTCTTCTCAGC
TCCGTGCAATTGCCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA
ACGAATGTGAAGGATGAAGAAAGGGCAGTCAAAGACGAGCTGCTCAGTGAAGCCGAAATCAAGCAG
AAGTGGGCATCCAGGCTCCTGGCCAACTGCGCAAAGATATCCGCCAGGAGTACCGGGAGGACTTTGTGC
TTACCGTGACTGGCAAGAAGCACCCGTGTGTCTTATCCAATCCAGACCAGAAGGGTAAGATTAGGAG
GATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTATCCTGTTCAAAGGC
ATCCCTTTGGAGAGTACGGATGGAGAGCGACTCATGAAGTCCCGCACTGCACAAACCCAGCACTTTGTG
TTCAGCCACACCACATCAGATCAGTTAAGGAGCTTGACTTGTGTTTGGCATACTACGTGCAGGAGCA
AGATTCTGGACAATCAGGAAGTCCAAGCCACAGTATCCTGCCAAGAATCCTCCAGGGTACCTCGAGGAC
AGCTTTGTAATAATCCGGAGTCTTCAATGTATCAGAGCTTGTGAGAGTATCCAGAACCCATAACCCAGG
GAACTGGAGTCAACTTCCAATCGGAGAAATCCAGCCAACCATATCATGACATGAACTCTGGTGT
GAACTGCAGAGTCTGTCTTCTCCACCGAGCAGCAAAAGACCCAAAATACTATCATGATGAAAT
ATGGAGCCAAGTCTACAGGAGACTTTTACCCCTCCTCAAATTCACCAGTCTGGAAGTCAACATGCG
ATGAACGAGATCAAGATATGTCTTCTCCAATCAATGAAGAAGCCTGAGAAGCCACTGTTTAGCTCTAC
ATCTCCACAGGATTCTTCCCAAGATTGAGCACTTTCCCGCAGCACCATATCCCGGAATACCTGGAGTC
GCGCACAGTGTATCTCAACTCGAACTCCACCTCCGCCCTCACCGTTGCCATTTCCGACGCAAGCTATCC
TTCCTCCGGCACCTTCCAGCTACTTCTCTCATCAACAATCAGATATCCTCCTCACCTGAATCCTCAGGA
TACTCTGAAGAACTACGTACTTCTTATGACCCATCCAGTCTCAAACGAGCCAGTCTGGTACCTGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206682 representing NM_008687
 Red=Cloning site Green=Tags(s)

MMYSPICLTQDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKKHEKRMKDEERAVKDELLSEKPEIKQ
 KWASRLAKLRKDIRQEYREDFVLTVTGKKHPCCVLSNPDQKGIIRRIDCLRQADKVVRLDLVMVILFKG
 IPLESTDGERLMKSPHCTNPALCVQPHHITVSVKELDLFLAYYVQEQDSGQSGSPSHSDPAKNPPGYLED
 SFVKSGVFNSELVRSRTPITQGTGVNFPIGEIPSQPYHDMNSGVNLQRSLSSPPSSKRPKTISIDEN
 MEPSPTGDFYPSPNSPAAGSRTWHERDQDMSPTTMKKPEKPLFSSTSPODSSPRLSTFPQHHPGIPGV
 AHSVISTRTPPPSPLPFPTQAILPPAPSSYFSHTPIRYPPHLNPQDTLKNYVPSYDPSSPQTSQSWYLG

TRTRPLE - GFP Tag - V

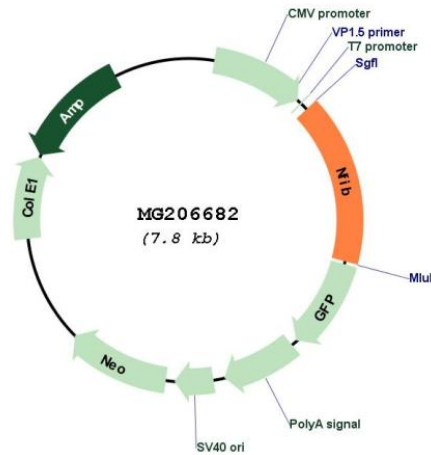
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_008687

ORF Size:	1260 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:	<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_008687.6
RefSeq Size:	2691 bp
RefSeq ORF:	1263 bp
Locus ID:	18028
UniProt ID:	P97863
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]