

Product datasheet for **RG231275**

NFIB (NM_001190737) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIB (NM_001190737) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NFIB
Synonyms:	CTF; HMGIC/NFIB; MACID; NF-I/B; NF1-B; NFI-B; NFI-RED; NFIB2; NFIB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG231275 representing NM_001190737
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGTATTCTCCCATCTGTCTCACTCAGGATGAATTTACCCATTCATCGAGGCACTTCTCCACATG
 TCCGTGCAATTGCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAGCATGAGAA
 GCGAATGTCAAAGGATGAAGAAAGAGCAGTCAAAGATGAGCTTCTCAGTAAAAGCCTGAAATCAAACAG
 AAGTGGGCATCCAGGCTCCTTGCCAAACTGCGCAAAGATATTCGCCAGGAGTATCGAGAGGACTTTGTGC
 TCACCGTGACTGGCAAGAAGCACCCGTGTGTCTTATCCAATCCCGACCAGAAGGTAAGATTAGGAG
 AATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTATCCTGTTCAAAGGC
 ATCCCCTTGAAAGTACCGATGGAGAGCGGCTCATGAAATCCCCACATTGCACAAACCCAGCACTTTGTG
 TCCAGCCACATCATATCACAGTATCAGTTAAGGAGCTTGATTTGTTTTTGGCATACTACGTGCAGGAGCA
 AGATTCTGGACAATCAGGAAGTCCAAGCCACAATGATCCTGCCAAGAATCCTCCAGTTACCTTGAGGAT
 AGTTTTGTAAAACTGGAGTCTTCAATGTATCAGAACTTGAAGAGTATCCAGAACGCCATAACCCAGG
 GAACTGGAGTCAACTTCCAATTGGAGAAATCCAAGCCAACCATACTATCATGACATGAACTCGGGGT
 CAATCTTCAGAGGTCTCTGTCTTCTCCACCAAGCAGCAAAAGACCCAAAATATCCATAGATGAAAT
 ATGGAACCAAGTCTACAGGAGACTTTTACCCCTCCAAGTTCACCAGCTGCTGGAAGTGAACATGGC
 ACGAAAGAGATCAAGATATGTCTTCTCCGACTACTATGAAGAAGCCTGAAAAGCCATTGTTACAGCTG
 ATCTCCACAGGATTTTCCCAAGACTGAGCACTTTCCCCAGCACCACCATCCCGAATACCTGGAGTT
 GCACACAGTGTCTCAACTCGAACTCCACCTCCACCTTACCCTGTTGCCATTTCCAACACAAGCTATCC
 TTCTCCAGCCCCATCGAGCTACTTTTTCATCCAACAATCAGATATCCTCCACCTGAATCCTCAGGA
 TACTCTGAAGAACTATGTACCTTCTTATGACCCATCCAGTCCACAACCCAGCCAGCCTAACGGCAGTGGT
 CAAGTAGTAGGAAAGTGCCTGGCCATTTCACTCCTGTCTTGGCACCTCTCCCATCCAGTGCAGTGC
 GACCTGTGACCCTGAGCATGACAGATACTAAACCCATCACTACATCCACTGAAGCCTACACAGCCTCAGG
 CACATCTCAAGCCAATCGATATGTGGGACTAAGCCCAAGAGACCCATCCTTCTACATCAGCAACAGTCC
 TGGTACCTGGGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG231275 representing NM_001190737
 Red=Cloning site Green=Tags(s)

MMYSPICLTQDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKKHEKMSKDEERAVKDELLSEKPEIKQ
 KWASRLLAKLRKDIRQEYREDFVLTVTGKKHPCCVLSNPDQKGIIRRIDCLRQADKVVRLDLVMVILFKG
 IPLESTDGERLMKSPHCNTPALCVPHHITVSVKELDLFLAYVYQEQDSGQSGSPSHNDPAKNPPGYLED
 SFVKSGVFNVSELVRVSRTPITQGTGVNFPIGEIPSPQYHYDMNSGVNLQRSLSSPPSSKRPKTISIDEN
 MEPSPTGDFYPSPPSPAAGSRTWHERDQDMSSPTTMKKPEKPLFSSASPQDSSPRLSTFPQHHPGIPGV
 AHSVISTRTPPPPSPLPFPTQAILPPAPSSYFSHPTIRYPPHLNPQDTLKNYVPSYDPPSPQTSQPNGSG
 QVVGKVPGHFTPLAPSPHSAVRPVTL SMTDTKPIITSTEAYTASGTSQANRYVGLSPRDP SFLHQQS
 WYLG

TRTRPLE – GFP Tag – V

Restriction Sites:

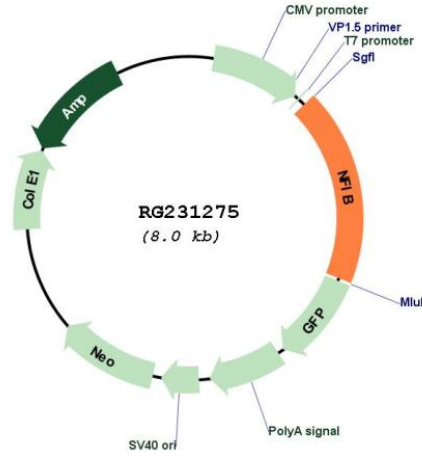
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_001190737

ORF Size: 1482 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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_001190737.2
RefSeq Size:	8507 bp
RefSeq ORF:	1485 bp
Locus ID:	4781
UniProt ID:	O00712
Cytogenetics:	9p23-p22.3
Protein Families:	Druggable Genome, Transcription Factors
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]