

Product datasheet for **RG231240**

NFIB (NM_001190738) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIB (NM_001190738) 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:

>RG231240 representing NM_001190738
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGAATCCAGTGTCTGTGGACTTCTGGTGTCTGCTGTGCAGTTCTGAAATGTAAACCCTGGGA
 TTCCTAAAAGAATGTCAACTCTGTGCTTTGGATTTTCTGATGAATTTACCCATTTCAGAGCACTTCT
 TCCACATGTCCGTGCAATTGCCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAG
 CATGAGAAGCGAATGTCAAAGGATGAAGAAAGAGCAGTCAAAGATGAGCTTCTCAGTGAAAAGCCTGAAA
 TCAAACAGAAGTGGGCATCCAGGCTCCTTGCCAACTGCGCAAAGATATTCGCCAGGAGTATCGAGAGGA
 CTTTGTGCTCACCGTACTGGCAAGAAGCACCCGTGCTGTGTCTTATCCAATCCCGACCAGAAGGGTAAG
 ATTAGGAGAATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTGATCCTGT
 TCAAAGGCATCCCCTTGAAAAGTACCGATGGAGAGCGGCTCATGAAATCCCACATTGCACAAACCAGC
 ACTTTGTGTCCAGCCACATCATACAGTATCAGTTAAGGAGCTTGATTTGTTTTGGCATACTACGTG
 CAGGAGCAAGATTCTGGACAATCAGGAAGTCCAAGCCACAATGATCCTGCCAAGAATCCTCCAGGTTACC
 TTGAGGATAGTTTTGAAAATCTGGAGTCTTCAATGTATCAGAATTGTAAAGATATCCAGAACGCCCAT
 AACCCAGGGAAGTGGAGTCAACTTCCCAATTGGAGAAATCCCAAGCCAACCATATATGACATGAAC
 TCGGGGTCAATCTTCAGAGGTCTGTCTTCTCCACCAAGCAGCAAAAGACCCAAAACATATCCATAG
 ATGAAAATATGGAACCAAGTCTACAGGAGACTTTTACCCTCTCCAAGTTCACCAGCTGCTGGAAGTCG
 AACATGGCAGCAAAGAGATCAAGATATGTCTTCTCCGACTACTATGAAGAAGCCTGAAAAGCCATTGTT
 AGCTCTGCATCTCCACAGGATCTTCCCAAGACTGAGCACTTCCCCAGCACCACCATCCCGAATAC
 CTGGAGTTGCACACAGTGTCTCAACTCGAAGTCCACCTCCACCTTCCCGTTGCCATTTCCAACACA
 AGCTATCCTTCTCCAGCCCATCGAGCTACTTTTCTCATCCAACAATCAGATATCTCCACCTGAAT
 CCTCAGGATACTCTGAAGAACTATGTACCTTCTATGACCCATCCAGTCCACAAACCAGCCAGTCTGGT
 ACCTGGGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG231240 representing NM_001190738
 Red=Cloning site Green=Tags(s)

MERIPVSVDFVWVCCAVLKCNP GIPKRMSTLCFGFSDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKK
 HEKRMSKDEERAVKDELLESEKPEIKQKASRLLAKLRKDIRQEYREDFVLTVTGKKHPCCVLSNPDQK GK
 IRRIDCLRQADKVRWLDLVMVILFKGIPLST DGERLMKSPHCTNPALCVQPHHITVSVKELDLFLAYYV
 QEQDSGQSGSPSHNDPAKNPPGYLEDSFVKSGVFNVSELVRVSRTPITQGTGVNFP IGEIP SQPYHDMN
 SGNLQRSLSSPPSKRPKTI SIDENMEPSPTGDFYSPSPSPAAGSRTWHERDQDMSSPTTMKKPEKPLF
 SSASPQDSSPRLSTFPQHHPGIPGVAHSVISTRTPPPSPLPFPPTQAILPPAPSSYF SHPTIRYPPHLN
 PQDTLKNYVPSYDPSSPQTSQSWYLG

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001190738

ORF Size: 1338 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_001190738.1](#), [NP_001177667.1](#)

RefSeq Size: 8180 bp

RefSeq ORF: 1341 bp

Locus ID: 4781

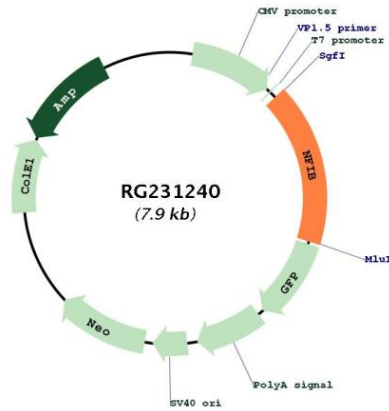
UniProt ID: [O00712](#)

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]

Product images:



Circular map for RG231240