

Product datasheet for **RC231240**

NFIB (NM_001190738) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIB (NM_001190738) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NFIB
Synonyms:	CTF; HMGIC/NFIB; MACID; NF-I/B; NF1-B; NFI-B; NFI-RED; NFIB2; NFIB3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC231240 representing NM_001190738
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAAGAAATCCAGTGTCTGTGGACTTCTGGTGTCTGCTGTGCAGTTCTGAAATGTAAACCCTGGGA
 TTCCTAAAAGAATGTCAACTCTGTGCTTTGGATTTCTGATGAATTTACCCATTTCGAGGCACTTCT
 TCCACATGTCCGTGCAATTGCCTATACTTGGTTCAACCTGCAGGCTCGAAAACGCAAGTACTTTAAAAAG
 CATGAGAAGCGAATGTCAAAGGATGAAGAAAGAGCAGTCAAAGATGAGCTTCTCAGTGAAAAGCCTGAAA
 TCAAACAGAAGTGGGCATCCAGGCTCCTTGCCAACTGCGCAAAGATATTCGCCAGGAGTATCGAGAGGA
 CTTTGTGCTCACCGTACTGGCAAGAAGCACCCGTGCTGTGTCTTATCCAATCCCAGCAGAAGGGTAAG
 ATTAGGAGAATCGACTGCCTGCGACAGGCAGACAAAGTCTGGCGTCTGGATCTAGTCATGGTGATCCTGT
 TCAAAGGCATCCCCTTGAAAAGTACCGATGGAGAGCGGCTCATGAAATCCCACATTGCACAAACCAGC
 ACTTTGTGTCCAGCCACATCATATCACAGTATCAGTTAAGGAGCTTGATTTGTTTTGGCATACTACGTG
 CAGGAGCAAGATTCTGGACAATCAGGAAGTCCAAGCCACAATGATCCTGCCAAGAATCCTCCAGGTTACC
 TTGAGGATAGTTTTGAAAATCTGGAGTCTTCAATGTATCAGAATTGTAAAGATATCCAGAACGCCCAT
 AACCCAGGGAAGTGGAGTCAACTTCCCAATTGGAGAAAATCCCAAGCCAACCATATCATGACATGAAC
 TCGGGGTCAATCTTCAGAGGTCTGTCTTCTCCACCAAGCAGCAAAAGACCCAAAACCTATATCCATAG
 ATGAAAATATGGAACCAAGTCTACAGGAGACTTTTACCCTCTCCAAGTTCACCAGCTGCTGGAAGTGC
 AACATGGCAGCAAAGAGATCAAGATATGTCTTCTCCGACTACTATGAAGAAGCCTGAAAAGCCATTGTTT
 AGCTCTGCATCTCCACAGGATCTTCCCAAGACTGAGCACTTCCCCAGCACCACCATCCCGGAATAC
 CTGGAGTTGCACACAGTGCATCTCAACTCGAAGTCCACTCCACTTCCCGTTGCCATTTCCAACACA
 AGCTATCCTTCTCCAGCCCATCGAGTACTTTTCTCATCCAACAATCAGATATCCTCCCCACCTGAAT
 CCTCAGGATACTCTGAAGAACTATGTACCTTCTATGACCCATCCAGTCCACAAACCAGCCAGTCTGGT
 ACCTGGGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC231240 representing NM_001190738
 Red=Cloning site Green=Tags(s)

MERIPVSVDFVWVCCAVLKCNP GIPKRMSTLCFGFSDEFHPFIEALLPHVRAIAYTWFNLQARKRKYFKK
 HEKRMSKDEERAVKDELLSEKPEIKQKASRL LAKLRKDIRQEYREDFVLTVTGKKHPCCVLSNPDQK GK
 IRRIDCLRQADKVRWLDLVMVILFKGIPL ESTDGERLMKSPHCTNPALCVQPHHITVSVKELDLFLAYYV
 QEQDSGQSGSPSHNDPAKNPPGYLEDSFVKSGVFNVSELVRVSRTPITQGTGVNFPIGEIP SQPYHDMN
 SGVNLQRSLSSPPSSKRPKTISIDENMEPSPTGDFYPSPPSPAAGSRTWHERDQDMSSPTTMMKPEKPLF
 SSASPQDSSPRLSTFPQHHHPGIPGVAHSVISTRTPPPSPLPFPTQAILPPAPSSYFSHTPIRYPHLN
 PQDTLKNYVPSYDPSSPQTSQSWYLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

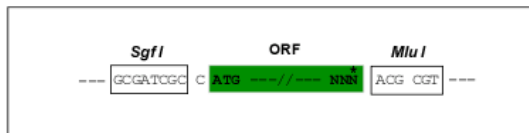
https://cdn.origene.com/chromatograms/mk8060_e11.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

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 ORF: 1341 bp

Locus ID: 4781

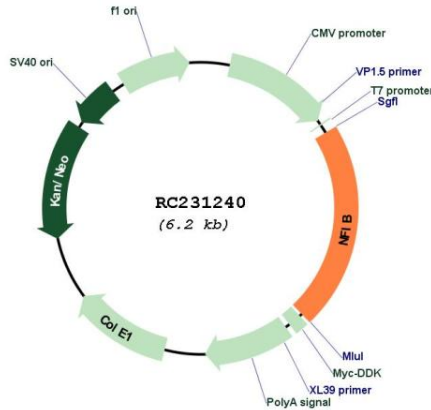
UniProt ID: [O00712](#)
Cytogenetics: 9p23-p22.3

Protein Families: Druggable Genome, Transcription Factors

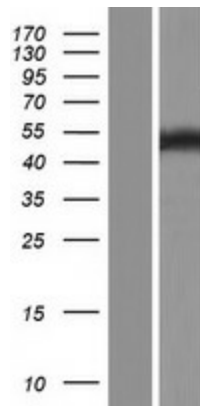
MW: 50.7 kDa

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 RC231240



Western blot validation of overexpression lysate (Cat# [LY434239]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC231240 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).