

Product datasheet for **RC237358**

NFIB (NM_001282787) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIB (NM_001282787) 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
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237358 representing NM_001282787 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAC**T**CGGGGGTCAATCTTCAGAGGTCTCTGTCTTCTCCACCAAGCAGCAAAGACCCAAA**ACT**TATAT
CCATAGATGAAAATATGGAACCAAGTCTACAGGAGACTTTTACCCTCTCCAAGTTCACCAGCTGCTGG
AAGTCGAACATGGCAGCAAAGAGATCAAGATATGTCTTCTCCGACTACTATGAAGAAGCCTGAAAAGCCA
TTGTTTCAGCTCTGCATCTCCACAGGATTCTTCCCAAGACTGAGCACTTCCCCAGCACCACCATCCCG
GAATACCTGGAGTTGCACACAGTGCATCTCAACTCGAACTCCACCTCCACCTTCCACGTTGCCATTTC
AACACAAGCTATCCTTCTCCAGCCCATCGAGCTACTTTTCTCATCCAACAATCAGATATCCTCCCCAC
CTGAATCCTCAGGATACTCTGAAGAACTATGTACCTTCTTATGACCCATCCAGTCCCAAACCAGCCAGC
CTAACGGCAGTGGTCAAGTAGTAGGAAAGTGCCTGGCCATTTCACTCCTGTCTTGGCACCTCTCCCA
TCCCAGTGCAGTGCACCTGTGACCCTGAGCATGACAGATACTAAACCCATCACTACATCCACTGAAGCC
TACACAGCCTCAGGCACATCTCAAGCCAATCGATATGTGGGACTAAGCCAAAGAGACCCATCCTTCTCTAC
ATCAGCAACAGCTGAGGATTTGTACTGGACCATGAATCAAACCGCAGGCATTTATACCCAGTACCAG
TGAGGATACATTGGGAATTA**CTTGGCAAAGTCTGGTACCTGGCTAGCTTGGTTCTTTCCAAGTG**CA
AATAGGACACCCATCTTACC**GGCCAATGTCCAAAATTACGGTTTGAACATAATTGGAGA**ACCTTTCTCTT
AAGCAGAAACAAGCAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237358 representing NM_001282787
Red=Cloning site Green=Tags(s)

MNSGVNLQRSLSSPPSSKRPKTISIDENMEPSPTGDFYFSPSSPAAGSRTWHERDQDMSSPTTMKKPEKP
 LFSSASPQDSSPRLSTFPQHHPGIPGVAHSVISTRTPPPPSPLPFPTQAILPPAPSSYFSHTIRYPPH
 LNPQDTLKNYVPSYDPSSPQTSQPNGSGQVVGKVPGHFTPVLAPSPHPSAVRPVTL SMTDTKPITSTEA
 YTASGTSQANRYVGLSPRDP SFLHQQLRICDWTMNQNGRHL YPSTSEDTLGITWQSPGTWASLVPFQVS
 NRTPILPANVQNYGLNIIGEPFLQAETSN

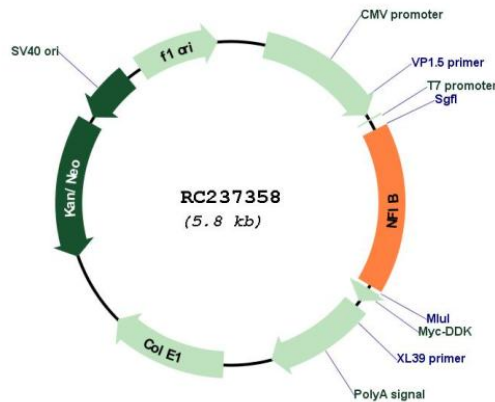
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282787

ORF Size: 927 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_001282787.1 , NP_001269716.1
RefSeq Size:	7643 bp
RefSeq ORF:	930 bp
Locus ID:	4781
UniProt ID:	O00712
Cytogenetics:	9p23-p22.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	34 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]