

Product datasheet for **RC234315**

NFIC (NM_001245002) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIC (NM_001245002) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NFIC
Synonyms:	CTF; CTF5; NF-I; NFI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234315 representing NM_001245002
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATTCGTCGCCGCTCTGCCTCACCCAGGATGAGTTCACCCGTTTCATCGAGGCCCTGCTGCCTCAGC
 TCCGCGCCTTCGCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCACGAGAA
 GCGGATGTGCAAGGACGAGGAGCGTGCAGTCAAGGACGAGCTGCTGGGCGAGAAGCCCGAGGTCAAGCAG
 AAGTGGGCGTCGCGGCTGCTGGCCAAGCTGCGCAAGGACATCCGGCCGAGTGCCGCGAGGACTTCGTGC
 TGAGCATCACCGCAAGAAGGCGCGGGCTGCGTCTCCAACCCGACCAGAAGGCAAGATGCGGGC
 CATCGACTGTCTCCGGCAGGCGGACAAGGTGTGGCGGCTGGACCTGGTTCATGGTTCATCTGTTCAAGGGC
 ATCCCGCTGGAGACACCGACGGCGAGCGCTGGTCAAGGCTGCGCAGTGCAGTCCCGGCTCCTGTGCG
 TGCAGCCGACCATTTGGCGTGGCGTCAAGGAGCTGGACCTTACCTGGCCTACTTCGTGCGTGAGCG
 AGATGCAGAGCAAAGCGGACGTCGCCGACAGGATGGGCTCTGACCAGGAGGACAGCAAGCCCATCAGC
 CTGGACACGACCGACTTCCAGGAGAGCTTTGTACCTCCGGCGTGTTCAGCGTCACTGAGCTCATCCAAG
 TGTCCCGGACACCCGTTGACTGGAACAGGACCAACTTCTCCCTGGGGGAGCTGCAGGGGCACCTGGC
 ATACGACTGAACCCAGCCAGCACTGGCCTCAGAAGAAGCTGCCAGCACCTCCTCCAGTGGGAGCAAG
 CGGCACAAATCGGGCTCGATGGAGGAAGACGTGGACACGAGCCCTGGCGGCGATTACTACACTTCGCCCA
 GCTCGCCACGAGTAGCAGCCGCAACTGGACGGAGGACATGGAAGGAGGCATCTCGTCCCGGTGAAGAA
 GACAGAGATGGACAAGTACCATTCAACAGCCCGTCCCCCAGGACTCTCCCGCCTCTCCAGCTTACC
 CAGCACACCAGGCGCGTATCGCGTGCACAGCGGGATCGCCCGAGCCACACCCGCTCCTCCGCTCTGC
 ATTTCCCTACGAGTCCATCTACCCAGACGGCCTCCACTACTTCCCCACACGGCCATCCGCTACCC
 ACCTCATCTCAACCCCGAGGACCCGCTCAAAGATCTTGTCTCGCTGGCCTGCGACCCAGCCAGCCAGCAA
 CCTGGACCGTTAAATGGAAGTGGTCAGCTCAAATGCCAGCCACTGCCTTTCTGCTCAGATGCTGGCAC
 CTCCGCCCGGGGCTGCCACGGCTGGCGCTCCCCCTGCCACCAAACCCGCCACCACCTCCGAGGGAGG
 AGCCACGTCGCGACCTCGCCTTCTACTCTCCGCCGACACGTCCTGCAAACCGTTCCTTTGTGGGA
 TTAGGACCAAGGGATCTGCGGGCATTATCAGGCACAGTCTGGTATCTGGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234315 representing NM_001245002
 Red=Cloning site Green=Tags(s)

MYSSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKRMSKDEERAVKDELLGEKPEVKQ
 KWASRLLAKLRKDIRPECREDFVLSITGKKAPGCVLSNPDQKGMRRIDCLRQADKVRWLDLVMVILFKG
 IPLESTDGERLVKAAQCGHPVLCVQPHHIGVAVKELDLYLAYFVRERDAEQSGSPRTGMGSDQEDSKPIT
 LDTTDFQESFVTSVGFVSTELIQVSRTPVVTGTGPNFSLGELQGHLYDLNPASTGLRRLTLPSTSSSGSK
 RHKSGSMEEDVDTSPGGDYTSPSSPTSSSRNWTEDEGGISSPVKKTMDKSPFNPSPPQDSPRLSSFT
 QHHRPVI AVHSGIARSPHPSSALHFPTTSLPQTASTYFPHTAIRYPPHLNPQDPLKDLVSLACDPASQQ
 PGPLNGSQLKMPHCLSAQMLAPPPGLPRLALPPATKPAATSEGGATSPTSPSYSPPDSPANRFSVG
 LGPRDPAGIYQAQSWYLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001245002

ORF Size: 1524 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_001245002.2](#)

RefSeq Size: 8063 bp

RefSeq ORF: 1527 bp

Locus ID: 4782

UniProt ID: [P08651](#)

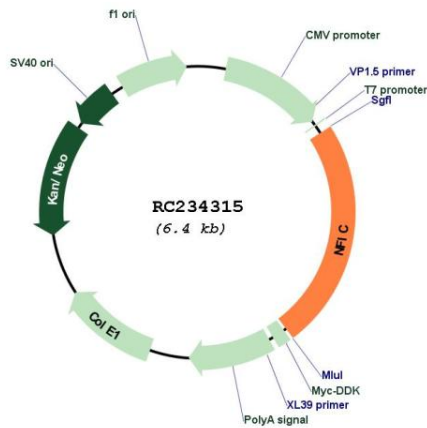
Cytogenetics: 19p13.3

Protein Families: Transcription Factors

MW: 56.1 kDa

Gene Summary: The protein encoded by this gene belongs to the CTF/NF-I family. These are dimeric DNA-binding proteins, and function as cellular transcription factors and as replication factors for adenovirus DNA replication. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]

Product images:



Circular map for RC234315