

Product datasheet for **RG234315**

NFIC (NM_001245002) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIC (NM_001245002) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NFIC
Synonyms:	CTF; CTF5; NF-I; NFI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234315 representing NM_001245002
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATTCGTCGCCGCTCTGCTCACCCAGGATGAGTTCACCCGTTTCATCGAGGCCCTGCTGCCTCAGC
 TCCGCGCCTTCGCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCACGAGAA
 GCGGATGTCGAAGGACGAGGAGCGTGCAGTCAAGGACGAGCTGCTGGGCGAGAAGCCCGAGGTCAAGCAG
 AAGTGGGCGTCGCGGCTGCTGGCCAAGCTGCGCAAGGACATCCGGCCGAGTGCCGCGAGGACTTCGTGC
 TGAGCATCACCGCAAGAAGGCGCGGGCTGCGTCTCCAACCCCGACCAGAAGGCAAGATGCGGGC
 CATCGACTGTCTCCGGCAGGCGGACAAGGTGTGGCGGCTGGACCTGGTTCATGGTTCATCTGTTCAAGGGC
 ATCCCGCTGGAGAGCACCGACGGCGAGCGCTGGTCAAGGCTGCGCAGTGCAGTCCCGGTCCTGTGCG
 TGCAGCCGACCATTTGGCGTGGCGTCAAGGAGCTGGACCTTACCTGGCCTACTTCGTGCGTGAGCG
 AGATGCAGAGCAAAGCGCAGTCCCGGACAGGATGGGCTCTGACCAGGAGGACAGCAAGCCCATCAGC
 CTGGACACGACCGACTTCCAGGAGAGCTTTGTACCTCCGGCGTGTTCAGCGTCACTGAGCTCATCCAAG
 TGTCGCGGACACCCGTTGGTACTGGAACAGGACCAACTTCTCCCTGGGGGAGCTGCAGGGGCACCTGGC
 ATACGACTGAACCCAGCCAGCACTGGCCTCAGAAGAAGCTGCCAGCACCTCCTCCAGTGGGAGCAAG
 CGGCACAAATCGGGCTCGATGGAGGAAGACGTGGACACGAGCCCTGGCGGCGATTACTACACTTCGCCCA
 GCTCGCCACGAGTAGCAGCCGCAACTGGACGGAGGACATGGAAGGAGGCATCTCGTCCCGGTGAAGAA
 GACAGAGATGGACAAGTACCATTCAACAGCCCGTCCCCCAGGACTCTCCCGCCTCTCCAGCTTACC
 CAGCACCCGCGCGTTCATCGCCGTGCACAGCGGGATCGCCCGAGCCACACCCGTCCTCCGCTCTGC
 ATTTCCCTACGAGTCCATCCTACCCAGACGGCCTCCACTACTTCCCCACACGGCCATCCGCTACCC
 ACCTCATCTCAACCCCGAGGACCCGCTCAAAGATCTTGTCTCGCTGGCCTGCGACCCAGCCAGCCAGCAA
 CCTGGACCGTTAAATGGAAGTGGTCAAGTCAAAATGCCAGCCACTGCCTTTCTGCTCAGATGCTGGCAC
 CTCCGCCCCGGGGCTGCCACGGCTGGCGCTCCCCCTGCCACCAAACCCGCCACCACCTCCGAGGGAGG
 AGCCACGTGCGCGACCTCGCCTTCTACTCTCCGCCCAGACGTCCTCCGCAAACCGTTCCTTTGTGGGA
 TTAGGACCAAGGGATCTGCGGGCATTATCAGGCACAGTCTGGTATCTGGGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234315 representing NM_001245002
 Red=Cloning site Green=Tags(s)

MYSSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKMSKDEERAVKDELLGEKPEVKQ
 KWASRL LAKLRKDIRPECREDFVLSITGKKAPGCVLSNPDQKGMRRIDCLRQADKVVRLDLVMVILFKG
 IPLESTDGERLVKAAQCGHPVLCVQPHHIGVAVKELDLYLAYFVRERDAEQSGSPRTGMGSDQEDSKPIT
 LDTTDFQESFVTSVGVFVTELIQVSRTPVVTGTGPNFSLGELQGHLAYDLNPASTGLRRTLPTSSSGSK
 RHKSGSMEEDVDTSPGGDYTSPSSPTSSRNWTEDEGGISSPVKKTMDKSPFNPSPPQDSPRLSSFT
 QHHRPVI AVHSGIARSPHPSSALHFPTTSSILPQTASTYFPHTAIRYPPHLNPQDPLKDLVSLACDPASQQ
 PGPLNGSQ LKMP SHCLSAQMLAPPPGLPRLALPPATK PATTSEGGATSPTSPSYSPDP TSPANR SFVG
 LGPRDPAGIYQAQSWYLG

TRTRPLE – GFP Tag – V

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

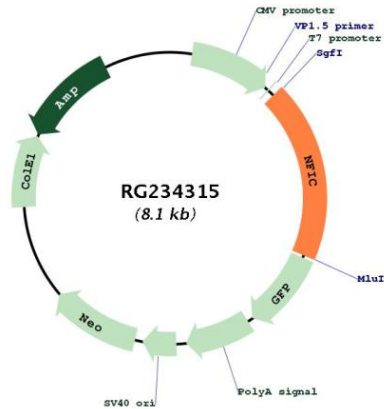
UniProt ID: [P08651](#)

Cytogenetics: 19p13.3

Protein Families: Transcription Factors

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 RG234315