

Product datasheet for **RG234099**

NFIC (NM_001245004) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIC (NM_001245004) 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)
ORF Nucleotide Sequence:	>RG234099 representing NM_001245004 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATTCGTCGCCGCTCTGCCTCACCCAGGATGAGTTCACCCGTTTCATCGAGGCCCTGCTGCCTCAG
TCCGCGCCTTCGCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCACGAGAA
GCGGATGTCGAAGGACGAGGAGCGTCCGGTCAAGGACGAGCTGCTGGGCGAGAAGCCCGAGGTCAAGCAG
AAGTGGGCGTCGCGGCTGCTGGCCAAGTGCAGCAAGGACATCCGGCCGAGTGCCCGGAGGACTTCGTGC
TGAGCATCACCGCAAGAAGGCGCGGGTGCCTGCTCCAACCCGACCAGAAGGCAAGATGCGGCG
CATCGACTGTCTCCGGCAGGCGGACAAGGTGTGGCGGCTGGACCTGGTCAATGGTCACTCCTGTTCAAGGGC
ATCCCGCTGGAGAGCACCGACGCGAGCGCCTGGTCAAGGCTGCGCAGTGCAGTACCCGGTCTGTGCG
TGCAGCCGACCACATTGGCGTGGCCGTCAAGGAGCTGGACCTCTACCTGGCCTACTTCGTGCGTGAGCG
AGATGCAGAGCAAAGCGGAGTCCCGGACAGGGATGGGCTCTGACCAGGAGGACAGCAAGCCATCACG
CTGGACACGACCGACTTCCAGGAGAGCTTTGTACCTCCGGCGTGTTCAGCGTCACTGAGCTCATCCAAG
TGTCGCGGACACCCGTGGTACTGGAACAGGACCAACTTCTCCCTGGGGAGCTGCAGGGGACCTGGC
ATACGACTGAACCCAGCCAGCACTGGCCTCAGAAGAAGCTGCCAGCACCTCCTCCAGTGGGAGCAAG
CGGCACAAATCGGGCTCGATGGAGGAAGACGTGGACACGAGCCTGGCGGCGATTACTACACTTCGCCCA
GCTCGCCACGAGTAGCAGCCGCAACTGGACGGAGGACATGGAAGGAGGCATCTCGTCCCGGTGAAGAA
GACAGAGATGGACAAGTCAACATTCAACAGCCCGTCCCCCAGGACTCTCCCGCCTCTCCAGTTCACC
CAGCACCACCGCCCGTTCATCGCCGTGCACAGCGGGATCGCCCGAGCCACACCCGTCCTCCGCTCTGC
ATTTCCCTACGACGTCCATCCTACCCAGACGGCCTCCACCTACTCCCCACACGGCCATCCGCTACCC
ACCTCATCTCAACCCAGGACCCGCTCAAAGATCTTGCTCGCTGGCCTGCGACCCAGCCAGCCAGCAA
CCTGGACCGCTACTCTCCGCCGACACGTCCCTGCAAACCGTTCTTTGTTGGAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234099 representing NM_001245004
Red=Cloning site Green=Tags(s)

MYSSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKMSKDEERAVKDELLGEKPEVKQ
 KWASRL LAKLRKDIRPECREDFVLSITGKKAPGCVLSNPDQKGMRRIDCLRQADKVVRLDLVMVILFKG
 IPLESTDGERLVKAAQC GHPVLCVQPHHIGVAVKELDL YLAYFVRRERDAEQSGSPRTGMGSDQEDSKPIT
 LDTTDFQESFVTSGVFSVTELIQVSRTPVVTGTGPNFSLGELQGH LAYDLNPASTGLRRTL PSTSSSGSK
 RHKSGSMEEDVDTSPGGDYTSPSSPTSSRNWTEDEMEGGISSPVKKTMDKSPFNSPQDSPRLSSFT
 QHHRPVI AVHSGIARSPHPSSALHFPTTSILPQTASTYFPHTAIRYPPHLNPQDPLKDLVSLACDPASQQ
 PGPPTLRPTRPLQTVPLWD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001245004

ORF Size: 1317 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_001245004.2](#)

RefSeq Size: 7909 bp

RefSeq ORF: 1320 bp

Locus ID: 4782

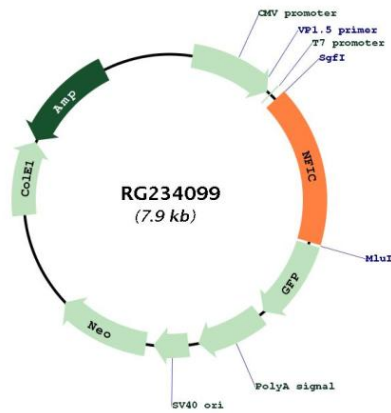
UniProt ID: [P08651](#)

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 RG234099