

Product datasheet for **RG218425**

NFIC (NM_205843) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIC (NM_205843) 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:

>RG218425 representing NM_205843
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGAGTTCACCCGTTTCATCGAGGCCCTGCTGCCTCACGTCGCGCCTTCGCCTACACCTGGTTCA
 ACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCACGAGAAGCGGATGTCGAAGGACGAGGAGCGTGC
 GGTCAAGGACGAGCTGCTGGGCGAGAAGCCGAGGTCAAGCAGAAGTGGGCGTCGCGGCTGCTGGCCAAG
 CTGCGCAAGGACATCCGGCCGAGTGCCGCGAGGACTTCGTGCTGAGCATCACCGCAAGAAGGCGCCGG
 GCTGCGTGTCTCCAACCCCGACCAGAAGGCAAGATGCGGCGCATCGACTGTCTCCGGCAGGCGGACAA
 GGTGTGGCGGCTGGACCTGGTTCATGGTTCATCCTGTTCAAGGGCATCCCGCTGGAGAGCACCGACGGCGAG
 CGCCTGGTCAAGGCTGCGCAGTGGGTACCCGGTCTGTGCGTGCAGCCGACCCACATTGGCGTGGCCG
 TCAAGGAGCTGGACCTCTACCTGGCCTACTTCGTGCGTGAGCGAGATGCAGAGCAAAGCGGCAGTCCCCG
 GACAGGGATGGGCTCTGACCAGGAGGACAGCAAGCCCATCACGCTGGACACGACCGACTTCCAGGAGAGC
 TTTGTACCTCCGGCGTGTTCAGCGTCACTGAGCTCATCCAAGTGTCCCGGACACCCGTTGGTACTGGAA
 CAGGACCAACTTCTCCCTGGGGGAGCTGCAGGGGCACCTGGCATACGACCTGAACCCAGCCAGCACTGG
 CCTCAGAAGAAGCTGCCAGCACCTCCTCCAGTGGGAGCAAGCGGCACAAATCGGGCTCGATGGAGGAA
 GACGTGGACACGAGCCCTGGCGGCGATTACTACACTTCGCCAGCTCGCCACGAGTAGCAGCCGCAACT
 GGACGGAGGACATGGAAGGAGGCATCTCGTCCCGGTGAAGAAGACAGAGATGGACAAGTACCATTCAA
 CAGCCCGTCCCCCAGGACTCTCCCGCCTCTCCAGCTTACCCAGCACCCAGCCCGCTCATCGCCGTG
 CACAGCGGGATCGCCCGGAGCCACACCCGTCTCCGCTCTGCATTTCCCTACGACGTCCATCCTACCCC
 AGACGGCCTCCACTACTTCCCCACACGGCCATCCGCTACCCACCTCATCTCAACCCCGAGGACCCGCT
 CAAAGATCTTGTCTCGCTGGCCTGCGACCCAGCCAGCCAGCAACCTGGACCGTTAAATGGAAGTGGTCAG
 CTCAAAATGCCAGCCTGCCTTTCTGCTCAGATGCTGGCACCTCCGCCCCCGGGGCTGCCACGGTGG
 CGCTCCCCCTGCCACCAAACCCGCCACCCTCCGAGGGAGGAGCCACGTGCGGACCTCGCCTTCTTA
 CTCTCCGCCGACACGTCCCTGCAAACCGTTCTTTGTGGGATTAGGACCAAGGATCTGCGGGCATT
 TATCAGGCACAGTCTGGTATCTGGGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG218425 representing NM_205843
 Red=Cloning site Green=Tags(s)

MDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKRMSKDEERAVKDELLGEKPEVKQKQKASRLLAK
 LRKDIRPECREDFVLSITGKKAPGCVLSNPQKQKMRRIDCLRQADKVVRLDLVMVILFKGIPLSTDGE
 RLVKAAQCGHPVLCVQPHHIGVAVKELDLYLAYFVRRERDAEQSGSPRTGMGSDQEDSKPITLDTDFQES
 FVTSGVFSVTELIQVSRTPVVTGTGPNFSLGELQGHLAYDLNPASTGLRRTLPTSSSSGSRHKSMSMEE
 DVDTSPGGDYYSPTSSPTSSSRNWTEDMEGGISSPVKKTMDKSPFNPSQDSPLSSFTQHHRPVIIV
 HSGIARSPHPSSALHFPTTSILPQTASTYFPHTAIRYPPHLNPQDPLKDLVSLACDPASQQPGLNGSGQ
 LKMPSHCLSAQMLAPPPGLPRLALPPATKPAATSEGGATSPSPSYSPDTPANRSFVGLGPRDPAGI
 YQAQSWYLG

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_205843

ORF Size: 1497 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_205843.3](#)

RefSeq Size: 2401 bp

RefSeq ORF: 1500 bp

Locus ID: 4782

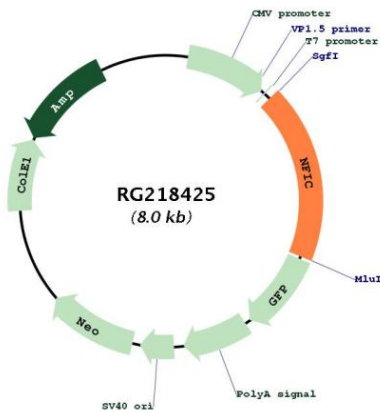
UniProt ID: [P08651](#)

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 RG218425