

Product datasheet for **SC308233**

NFIC (NM_205843) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIC (NM_205843) Human Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >SC308233 representing NM_205843.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGATGAGTTCACCCGTTTCATCGAGGCCCTGCTGCCTCAGTCCGCGCCTTCGCCTACACCTGGTTC
AACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCACGAGAAGCGGATGTCAAGGACGAGGAGCGT
GCGGTCAAGGACGAGCTGCTGGGCGAGAAGCCGAGGTCAAGCAGAAGTGGGCGTCGCGGTGCTGGCC
AAGCTGCGCAAGGACATCCGGCCGAGTCCGCGGAGACTTCGTGCTGAGCATCACCGGCAAGAAGGCG
CCGGGCTGCGTGTCTCCAACCCGACCAGAAGGGCAAGATGCGGCGCATCGACTGTCTCCGGCAGGCG
GACAAGGTGTGGCGGCTGGACCTGGTATGGTATCCTGTTCAAGGGCATCCCGTGGAGAGCACCGAC
GGCGAGCGCTGGTCAAGGCTGCGCAGTGGGTACCCGGTCTGTGCGTGCAGCCGACCACATTGGC
GTGGCCGTCAAGGAGCTGGACCTCTACCTGGCCTACTTCGTGCGTGCAGGAGATGCAGAGCAAAGCGGC
AGTCCCCGGACAGGGATGGGCTCTGACCAGGAGACAGCAAGCCCATCACGCTGGACACGACCGACTTC
CAGGAGAGCTTTGTACCTCCGGCGTGTTCAGCGTCACTGAGCTCATCCAAGTGTCCCGGACACCCGTG
GTGACTGGAACAGGACCCAACTTCTCCCTGGGGGAGCTGCAGGGGACCTGGCATACGACCTGAACCCA
GCCAGCACTGGCCTCAGAAGAAGCTGCCAGCACCTCCTCCAGTGGGAGCAAGCGGCACAAATCGGGC
TCGATGGAGGAAGACGTGGACACGAGCCCTGGCGGCGATTACTACTTTCGCCAGCTCGCCACGAGT
AGCAGCCGCAACTGGACGGAGGACATGGAAGGAGGCATCTCGTCCCGGTGAAGAAGACAGAGATGGAC
AAGTACCATTCAACAGCCCGTCCCCCAGGACTCTCCCCGCTCTCCAGCTTACCCAGCACCCCGG
CCCGTATCGCGGTGCACAGCGGATCGCCCGAGCCACACCCGCTCCTCCGCTTGCATTTCCCTACG
ACGTCCATCCTACCCAGACGGCCTCCACTACTTCCCCACACGGCCATCCGCTACCCACCTCATCTC
AACCCCCAGGACCCGCTCAAAGATCTTGTCTCGCTGGCCTGCGACCCAGCCAGCCAGCACTGGACCG
TTAAATGGAAGTGGTCAAGTCAAAATGCCAGCCACTGCCTTTCTGCTCAGATGCTGGCACCTCCGCC
CCGGGGTGCACGGCTGGCGCTCCCCCTGCCACCAACCCGCCACCACCTCCGAGGGAGGAGCCACG
TCGCCGACCTCGCTTCTACTCTCCGCCGACACGTCCCTGCAAACCGTTCTTTGTGGGATTAGGA
CCAAGGGATCCTGCGGGCATTTATCAGGCACAGTCTGGTATCTGGGATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_205843

Insert Size: 1500 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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_205843.2
RefSeq Size:	8086 bp
RefSeq ORF:	1500 bp
Locus ID:	4782
UniProt ID:	P08651
Cytogenetics:	19p13.3
Protein Families:	Transcription Factors
MW:	54.7 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) contains an alternate 5' terminal exon compared to variant 1. This results in translation initiation from an alternate start codon, and a shorter isoform (2) with a distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>