

Product datasheet for **SC321627**

NFIC (NM_005597) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIC (NM_005597) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFIC
Synonyms:	CTF; CTF5; NF-I; NFI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_005597.2
 AATGACTCAGTAAGTTCAGCGCGCCCGCTCCGGCCGGCCCTGCGCCTCCCGCCGCGCCCG
 GGATGTATTCTGCTCCCGCTCTGCCTCACCCAGGATGAGTTCCACCCGTTTCATCGAGGCC
 TGCTGCCTCACGTCCGCGCTTCGCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCA
 AGTACTTCAAGAAGCACGAGAAGCGGATGTCGAAGGACGAGGAGCGTGCAGTCAAGGACG
 AGCTGCTGGGCGAGAAGCCCGAGGTCAAGCAGAAGTGGGCGTCCGCGCTGCTGGCCAAG
 TGCGCAAGGACATCCGGCCCGAGTGCAGGAGGACTTCGTGCTGAGCATCACCGCAAGA
 AGGCGCCGGGCTGCGTGCTCTCCAACCCGACCAAGGCAAGATGCGGCGCATCGACT
 GTCTCCGGCAGGCGGACAAGGTGTGGCGCTGGACCTGGTCATGGTCATCCTGTTCAAGG
 GCATCCCGCTGGAGAGCACCGACGGCGAGCGCCTGGTCAAGGCTGCGCAGTGCAGTCAAC
 CGGTCCTGTGCGTGCAGCCGACCACATTGGCGTGGCCGTCAGGAGCTGGACCTCTACC
 TGGCCTACTTCGTGCGTGCAGGAGATGCAGAGCAAAGCGGAGTCCCGGACAGGGATGG
 GCTCTGACCAGGAGGACAGCAAGCCATCACGCTGGACACGACCGACTTCCAGGAGAGCT
 TTGTCACCTCCGGCGTTCAGCGTCACTGAGCTCATCAAGTGTCCCGACACCCGTGG
 TGACTGGAACAGGACCCAACTTCTCCCTGGGGGAGCTGCAGGGGCACCTGGCATAAGACC
 TGAACCCAGCCAGCACTGGCCTCAGAAGAAGCGTCCCGACACCTCCTCAGTGGGAGCA
 AGCGGCACAAATCGGGCTCGATGGAGGAAGACGTGGACACGAGCCCTGGCGGCGATTACT
 ACACTTCGCCCAGCTCGCCCACGAGTAGCAGCCGCAACTGGACGGAGGACATGGAAGGAG
 GCATCTCGTCCCGGTGAAGAAGACAGAGATGGACAAGTCAACAGCCCGTCCC
 CCCAGGACTCTCCCGCTCTCCAGCTTCAACAGCACCACCGGCGCCGTCATCGCCGTGC
 ACAGCGGGATCGCCCGGAGCCACACCCGTCCTCCGCTCTGCATTTCCCTACGACGTCCA
 TCCTACCCAGAGCGCTCCACCTACTTCCCCACAGCCATCCGCTACCCACCTCATC
 TCAACCCAGGACCCGCTCAAAGATCTGTCTCGCTGGCCTGGCAGCCAGCCAGCCAGC
 AACCTGGACCGTCTGGTATCTGGGATAGCAAAGGTCTTCTTCCCTCGCCCTTCTCCAT
 CGTCCCAGGAATCCAGGGGACGACAGCCGGCCCGCCCGCCACGTTTTTCGGTGGAAAA
 TTAGAGTGAACAAGAACCCTGCCGACTCCCAGCCGGCCAAAAAGACAAAACACATA
 GACGCACACTCAGGAGGAAAAGAAAAACAAAGGCAGAAGAAGAAAAA
 AAA

Restriction Sites: Please inquire

ACCN: NM_005597

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:

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_005597.2](#), [NP_005588.2](#)

RefSeq Size: 2185 bp

RefSeq ORF: 1287 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]
Transcript Variant: This variant (5) lacks two consecutive in-frame coding exons compared to variant 1. This results in a shorter isoform (5) missing an internal protein segment 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.