

## Product datasheet for **MC215796**

### **Nfic (NM\_008688) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nfic (NM_008688) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfic
Synonyms:	1110019L22Rik; 1500041O16Rik; AA589446; AI746521; NF1-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC215796 representing NM\_008688  
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTATTCTCCCGCTCTGCTGACCCAGGATGAGTTCACCCGTTTCATCGAGGCGCTGCTGCCGCATG  
 TGCAGCCTTCGCTACACCTGGTTCAACCTGCAGGCGCGCAAGCGCAAGTACTTCAAGAAGCACGAGAA  
 GCGCATGTCCAAGGACGAGGAGCGCGGTGAAGGATGAGCTGCTGGGTAAAAGGCCGAAGTGAAGCAG  
 AAGTGGGCGTCGCGGCTGCTGGCCAAGCTGCGCAAGGACATCCGGCCGAGTGCCGTGAAGACTTCGTAC  
 TGGCTGTGACTGGCAAGAAGGCGCCAGGCTGTGTGCTGTCCAACCCGGACCAGAAGGGCAAGATGCGGGC  
 CATCGACTGCCTGCGCCAGGCCGACAAAGTGTGGCGTCTGGACCTGGTTCATGGTTCATCCTGTTCAAGGGC  
 ATCCACTGGAGACACAGATGGTGAGCGGCTGGTGAAGGCGGCTGCCTGTGCGCACCCGGTGTGTGTG  
 TGCAGCCGACCATATTGGCGTGGCCGTCAAGGAGCTGGACCTGTACCTGGCCTACTTTGTGCGGGAGCG  
 CGATGCGGAGCAGAGCAGCAGCCCCGGACAGGTGTGGGCTCAGACCAGGAGGACAGCAAGCCATAACG  
 CTGGACACCACAGACTTCCAGGAGAGCTTTGTACAGTCAGGTGTGTTAGTGTACAGGAGCTGATCCAAG  
 TGCTCTCGGACACCTGTGGTGACCGGAACCGGACCCAACCTCTCACTGGGAGAGCTGCAGGGTCACTGGC  
 ATATGACCTGAACCCGGCCAGCGCCGGCATGAGAAGGACTCTACCCAGCACCTCCTCCAGTGGGAGCAAG  
 CGGCACAAGTCGGGCTCGATGGAAGAGGACGTGGACACGAGCCCCGGCGGCGACTACTACAGTCGCCCCA  
 ACTCACCCACGAGTAGCAGCCGCAACTGGACGGAAGACATAGAAGGAGGCATCTCATCCCCGGTGAAGAA  
 GACAGAGATGGACAAATCTCCATTCAACAGCCCGTCCCCCAGGACTCCCCCGGCTCTCCAGCTTACA  
 CAACACCACAGGCCGGTTCATCGCGGTACACAGTGGCATCGCGGAGCCCCACCCGACCTCGGCCCTGC  
 ACTTCCCTGCCAGCCCCATCCTGCCACAGACAGCTCCACCTACTCCCCCATACGGCCATCCGGTACCC  
 GCCACATCTCAACCCCCAGGACCCGCTCAAGGATCTGGTGTCCCTGGCCTGTGACCCGGCCACCCAGCAG  
 CCTGGACCGCCTGCTCTCCGCCGACACGTCCCCTGCAAACAGTCCCTTTGTGGATTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1630\\_e06.zip](https://cdn.origene.com/chromatograms/ja1630_e06.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_008688

**Insert Size:** 1320 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](mailto: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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_008688.3</a></u> , <u><a href="#">NP_032714.1</a></u>
<b>RefSeq Size:</b>	6295 bp
<b>RefSeq ORF:</b>	1320 bp
<b>Locus ID:</b>	18029
<b>UniProt ID:</b>	<u><a href="#">P70255</a></u>
<b>Cytogenetics:</b>	10 39.72 cM
<b>Gene Summary:</b>	<p>Recognizes and binds the palindromic sequence 5'-TTGGCNNNNNGCCAA-3' present in viral and cellular promoters and in the origin of replication of adenovirus type 2. These proteins are individually capable of activating transcription and replication.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes a longer isoform (a).</p>