

## Product datasheet for **MC217569**

### **Nfia (NM\_001122952) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nfia (NM_001122952) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfia
Synonyms:	1110047K16Rik; 9430022M17Rik; CTF; NF1-A; NF1A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217569 representing NM\_001122952  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAGCTTGCTGACAGCGTAATGGCAGGGAAAGCTTCGACGGTCCATCAAATGGCAGCTTTGCTACG  
 ACATCTCGGCCAGAACTTGGTGGATGGATGAGTTTCATCCTTTTCATTGAAGCACTTCGCCCATGTCCG  
 CGCCTTCGCCTACACATGGTTCAACCTGCAGGCCGAAAGCGGAAATACTTCAAAAAACATGAGAAGCGC  
 ATGTGCGAAAGAAGAGGAGAGGGCCGTGAAGGATGAACTGCTAAGCGAGAAGCCGAGGTCAAGCAGAAGT  
 GGGCTTCCGACTTCTGGCCAAGTTACGGAAAGATATCCGACCCGAGTACCGAGAGGATTTTGTCTTAC  
 AGTTACAGGGAAAAACCTCCATGCTGTGTTCTTTCAACCTGATCAGAAAGGCAAGATGCGGAGAATT  
 GACTGCCTCCGCCAGGCAGATAAAGTATGGAGTTGGACCTCGTCATGGTATCTTGTTCAAAGGTATTC  
 CGCTGAAAGTACTGATGGCGAGCGCTTGTAAAGAGTCCACAGTCTAATCCAGGGCTCTGTGTCCA  
 GCCCATCACATAGGGGTTTCTGTAAGGAAGTTCGATTTATATTTGGCATACTTTGTACATGCAGCAGAT  
 TCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGTGAAGCTGACATTAAGGACCAGCCAGAAAATGGACATT  
 TGGGCTTCCAGGACAGCTTTGTACATCAGGTGTTTTTCAGTGTGACTGAGCTAGTAAGAGTGTACAAAAC  
 ACCAATAGCTGCAGGAACCGGCCCAATTTTTCTCTCTGATTTGAAAAGTTCTTCATACTACAGCATG  
 AGTCCAGGAGCAATGAGGAGGTCTTGCCAGCACATCTCTACCAGCTTACAAAAGCGCCTCAAGTCTG  
 TGGAGGATGAAATGGACAGTCTGGTGAAGAACCATTTTACACAGGCCAAGGGCGCTCCCCAGGGAGTGG  
 CAGCCAGTCCAGTGGATGGCATGAAGTAGAGCCAGGCTTGCCATCTCAAGCACACTGAAGAAGTCTGAG  
 AAGTCTGGTTTCAGCAGCCCTCCCTTCGCAGACCTCCTCCCTGGGAACAGCATTACACAGCATCACC  
 GACCTGTCATTACAGGACCCAGCAAGTCCACATGCGACGCCATCGACTCTCCACTTTCCAACGTCAAC  
 CATCATCCAGCAGCCTGGGCCTTACTTCTCACACCCAGCCATCCGTTACCACCCTCAGGAGACGCTGAAA  
 GAGTTTGTCCAATTGTCTGTCTGATGCTGGTCAAGCTGGACAGGTGGGGTTCTCAATCCCAATG  
 GAAGCAGTCAAGGCAAGGTGCACAACCCATTCTCCCCACCCCAATGTTGCCGCCGCCACCACCACC  
 GATGGCCAGGCCTGTGCCTCTGCCATGCCAGACACCAAGCCTCCAACCACATCAACAGAAGGAGGTGCA  
 GCCTCCCCACCTCACCACCTACTCGACACCCAGCACCTCCCCCGCAAACCGATTGTCAGTGTGGAC  
 CACGGGATCCAAGCTTTGTAATATCCCTCAACAGACACAGTCTGGTACCTGGG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001122952

**Insert Size:** 1599 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>NM_001122952.1, NP_001116424.1</u>
<b>RefSeq Size:</b>	9289 bp
<b>RefSeq ORF:</b>	1599 bp
<b>Locus ID:</b>	18027
<b>UniProt ID:</b>	<u>Q02780</u>
<b>Cytogenetics:</b>	4 45.52 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) encodes the longest isoform (1).</p>