

Product datasheet for **MC217142**

Nfia (NM_010905) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfia (NM_010905) 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: >MC217142 representing NM_010905
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTATTCTCGCTCTGTCTCACCCAGGATGAGTTTCATCCTTTTCATTGAAGCACTTCTGCCCATGTCC
 GCGCCTTCGCCTACACATGGTTCAACCTGCAGGCCGAAAGCGGAAATACTTCAAAAAACATGAGAAGCG
 CATGTGCGAAAGAAGAGGAGAGGGCCGTGAAGGATGAAGTCTAAGCGAGAAGCCCGAGGTCAAGCAGAAG
 TGGGCTTCCCAGCTTCTGGCCAAGTTACGAAAGATATCCGACCCGAGTACCGAGAGGATTTTGTCTTA
 CAGTTACAGGGAAAAACCTCCATGCTGTGTTCTTTCCAACCCTGATCAGAAAGGCAAGATGCGGAGAAT
 TGACTGCCTCCGCCAGGCAGATAAAGTATGGAGGTTGGACCTCGTCATGGTGATCTTGTCAAAGGTATT
 CCGCTGGAAGTACTGATGGCGAGCGCCTTGTAAGAGTCCACAGTGTCTAATCCAGGGCTCTGTGTCC
 AGCCCCATCACATAGGGGTTTCTGTAAGGAAGTCTGATTATATTTGGCATACTTTGTACATGCAGCAGA
 TTCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGTGAAGCTGACATTAAGGACCAGCCAGAAAATGGACAT
 TTGGGCTTCCAGGACAGCTTTGTACATCAGGTGTTTTAGTGTGACTGAGCTAGTAAGAGTGTCACAAA
 CACCAATAGTGCAGGAACCGGCCCAATTTTTCTCTCTCTGATTTGGAAAGTTCTTCACTACAGCAT
 GAGTCCAGGAGCAATGAGGAGTCTCTGCCAGCACATCTCTACCAGCTCTACAAAGCGCCTCAAGTCT
 GTGGAGGATGAAATGGACAGTCTGGTGAAGAACCATTTACACAGGCCAAGGGCGCTCCCAGGGAGTG
 GCAGCCAGTCCAGTGGATGGCATGAAGTAGAGCCAGGCTTGCCATCTCCAAGCACACTGAAGAAGTCTGA
 GAAGTCTGGTTTCAGCAGCCCCCTCCCCTTCGCAGACCTCCTCCCTGGGAACAGCATTACACAGCATCAC
 CGACCTGTCATTACAGGACCCAGAGCAAGTCCACATGCGACGCCATCGACTCTCCACTTTCCAACGTCAC
 CCATCATCCAGCAGCCTGGGCCTTACTTCTCACACCCAGCCATCCGTTACCACCCTCAGGAGCGTGA
 AGAGTTTGTCCAAGTGTCTGTCTGATGCTGGTCAGCAAGCTGGACAGGTGGGGTTCTCAATCCCAAT
 GGAAGCAGTCAAGGCAAGGTGCACAACCCATTCTCCCCACCCCAATGTTGCCGCGCGCCACCACCAC
 CGATGGCCAGGCCTGTGCTCTGCCATGCCAGACACCAAGCCTCCAACCACATCAACAGAAGGAGGTGC
 AGCCTCCCCACCTCACCAGCTACTCGACACCCAGCACCTCCCCGCAAACCGATTCTGTCAGTGTGGA
 CCACGGGATCCAAGCTTTGTAATATCCCTCAACAGACACAGTCTGGTACCTGGGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_010905

Insert Size: 1530 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](#)

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:	<u>NM_010905.3, NP_035035.1</u>
RefSeq Size:	9528 bp
RefSeq ORF:	1530 bp
Locus ID:	18027
UniProt ID:	<u>Q02780</u>
Cytogenetics:	4 45.52 cM
Gene Summary:	<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 (2) has an alternate 5' exon, as compared to variant 1. The resulting isoform (2) has a different and shorter N-terminus, as compared to isoform 1.</p>