OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC216272

Nfia (NM_001122953) Mouse Untagged Clone

Product data:

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

View online »

Fully Sequenced ORF:

>MC216272 representing NM_001122953
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTATTCTCCGCTCTGTCTCACCCAGGATGAGTTTCATCCTTTCATTGAAGCACTTCTGCCCCATGTCC
GCGCCTTCGCCTACACATGGTTCAACCTGCAGGCCCGAAAGCGGAAATACTTCAAAAAACATGAGAAGCG
CATGTCGAAAGAAGAGGAGAGGGCCGTGAAGGATGAACTGCTAAGCGAGAAGCCCGAGGTCAAGCAGAAG
TGGGCTTCCCGACTTCTGGCCAAGTTACGGAAAGATATCCGACCCGAGTACCGAGAGGATTTTGTTCTTA
CAGTTACAGGGAAAAAACCTCCATGCTGTGTTCTTTCCAACCCTGATCAGAAAGGCAAGATGCGGAGAAT
TGACTGCCTCCGCCAGGCAGATAAAGTATGGAGGTTGGACCTCGTCATGGTGATCTTGTTCAAAGGTATT
CCGCTGGAAAGTACTGATGGCGAGCGCCTTGTAAAGAGTCCACAGTGCTCTAATCCAGGGCTCTGTGTCC
AGCCCCATCACATAGGGGTTTCTGTAAAGGAACTCGATTTATATTTGGCATACTTTGTACATGCAGCAGA
TTCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGTGAAGCTGACATTAAGGACCAGCCAGAAAATGGACAT
TTGGGCTTCCAGGACAGCTTTGTCACATCAGGTGTTTTCAGTGTGACTGAGCTAGTAAGAGTGTCACAAA
CACCAATAGCTGCAGGAACCGGCCCCAATTTTTCTCTCTCTGATTTGGAAAGTTCTTCATACTACAGCAT
GAGTCCAGGAGCAATGAGGAGGTCTCTGCCCAGCACATCCTCTACCAGCTCTACAAAGCGCCTCAAGTCT
GTGGAGGATGAAATGGACAGTCCTGGTGAAGAACCATTTTACACAGGCCAAGGGCGCTCCCCAGGGAGTG
GCAGCCAGTCCAGTGGATGGCATGAAGTAGAGCCAGCAAGTCCACATGCGACGCCATCGACTCTCCACTT
TCCAACGTCACCCATCATCCAGCAGCCTGGGCCTTACTTCTCACACCCAGCCATCCGTTACCACCCTCAG
GAGACGCTGAAAGAGTTTGTCCAACTTGTCTGTCCTGATGCTGGTCAGCAAGCTGGACAGGTGGGGTTCC
TCAATCCCAATGGAAGCAGTCAAGGCAAGGTGCACAACCCATTCCTCCCCACCCCAATGTTGCCGCCGCC
GCCACCACCACCGATGGCCAGGCCTGTGCCTCTGCCCATGCCAGACACCAAGCCTCCAACCACATCAACA
GAAGGAGGTGCAGCCTCCCCCACCTCACCGACCTACTCGACACCCAGCACCTCCCCCGCAAACCGATTCG
TCAGTGTTGGACCACGGGATCCAAGCTTTGTAAATATCCCTCAACAGACACAGTCCTGGTACCTGGGATA
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001122953

Insert Size: 1401 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001122953.1, NP_001116425.1
RefSeq Size:	9399 bp
RefSeq ORF:	1401 bp
Locus ID:	18027
UniProt ID:	Q02780
Cytogenetics:	4 45.52 cM
Gene Summary:	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] Transcript Variant: This variant (3) has an alternate 5' exon and lacks an internal coding exon, which does not affect the reading frame, as compared to variant 1. The resulting isoform (2) has a different and shorter N-terminus and lacks an internal segment, as compared to isoform 1.