

Product datasheet for **MR225705**

Nfia (NM_001122953) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfia (NM_001122953) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfia
Synonyms:	1110047K16Rik; 9430022M17Rik; CTF; NF1-A; NF1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR225705 representing NM_001122953
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTATTCTCGCTCTGTCTCACCCAGGATGAGTTTCATCCTTTTCATTGAAGCACTTCTGCCCATGTCC
 GCGCCTTCGCCTACACATGGTTCAACCTGCAGGCCGAAAGCGGAAATACTTCAAAAAACATGAGAAGCG
 CATGTCTGAAAGAAGAGGAGAGGGCCGTGAAGGATGAAGTCTAAGCGAGAAGCCCGAGGTCAAGCAGAAG
 TGGGCTTCCCGACTTCTGGCCAAGTTACGAAAGATATCCGACCCGAGTACCGAGAGGATTTTGTCTTA
 CAGTTACAGGGAAAAACCTCCATGCTGTGTTCTTTCCAACCCTGATCAGAAAGGCAAGATGCGGAGAAT
 TGACTGCCTCCGCCAGGCAGATAAAGTATGGAGGTTGGACCTCGTCATGGTGATCTTGTTCAAAGGTATT
 CCGCTGGAAGTACTGATGGCGAGCGCCTTGTAAGAGTCCACAGTGTCTAATCCAGGGCTCTGTGTCC
 AGCCCCATCACATAGGGGTTTCTGTAAGGAAGTCTGATTATATTTGGCATACTTTGTACATGCAGCAGA
 TTCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGTGAAGCTGACATTAAGGACCAGCCAGAAAATGGACAT
 TTGGGCTTCCAGGACAGCTTTGTACATCAGGTGTTTTAGTGTGACTGAGCTAGTAAGAGTGTCACAAA
 CACCAATAGTGCAGGAACCGGCCCAATTTTTCTCTCTCTGATTTGGAAAGTTCTTCATACTACAGCAT
 GAGTCCAGGAGCAATGAGGAGTCTCTGCCAGCACATCTCTACCAGCTCTACAAAAGCGCCTCAAGTCT
 GTGGAGGATGAAATGGACAGTCTGGTGAAGAACCATTTTACACAGGCCAAGGGCGCTCCCAGGGAGTG
 GCAGCCAGTCCAGTGGATGGCATGAAGTAGAGCCAGCAAGTCCACATGCGACGCCATCGACTCTCCACTT
 TCCAACGTCACCCATCATCCAGCAGCTGGGCTTACTTCTCACCCAGCCATCCGTTACCACCCTCAG
 GAGACGCTGAAAGAGTTGTCCAACCTGTCTGTCTGATGCTGGTCAAGTGGACAGGTGGGTTCC
 TCAATCCCAATGGAAGCAGTCAAGGCAAGGTGCACAACCAATTCCTCCCACCCCAATGTTGCCGCCGCC
 GCCACCACCCAGTGGCCAGGCTGTGCTCTGCCATGCCAGACACCAAGCCTCCAACACATCAACA
 GAAGGAGGTGCAGCCTCCCCACCTCACGACCTACTCGACACCCAGCACCTCCCCCGCAAACCGATTTCG
 TCAGTGTGGACCACGGATCCAAGCTTTGTAATATCCCTCAACAGACACAGTCTGGTACCTGGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225705 representing NM_001122953
 Red=Cloning site Green=Tags(s)

MYSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKRMSKEEERAVKDELLSEKPEVKQK
 WASRLAKLRKDIRPEYREDFVLTVTGKKPPCCVLSNPQKKGKMRRIDCLRQADKVVRLDLVMVILFKGI
 PLESTDGERLVKSPQCSNPGLCVQPHHIGVSVKELDLAYFVHAADSSQSESPSPQSEADIKDQPENGH
 LGFQDSFVTSGVFVTELVRVSQTPIAAGTGPNFSLSDLESSYYMSPGAMRRSLPSTSSSTSSTKRLKS
 VEDEMSPGEEPFYTGGRSPGSGSQSSGWHEVEPASPATPSTLHFPTSPIIQPGPYFSHPAIRYHPQ
 ETLKEFVQLVCPDAGQQAGQVGFNLNPNSSQGVHNPFLPTPMLPPPPPPMARPVPLPMPDTPKPTTST
 EGGAASPTSPTYSTPSTSPANRFVSVGPRDPSFVNIPQQTQSWYLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2249_d01.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001122953

ORF Size: 1398 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

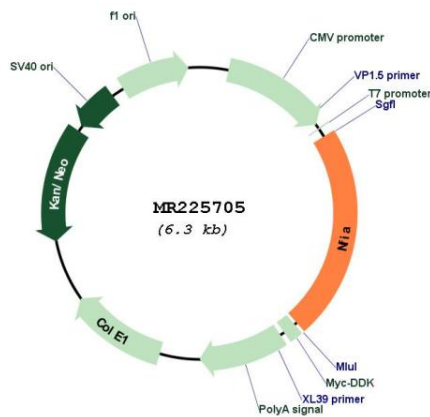
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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_001122953.1, NP_001116425.1](#)
RefSeq Size: 9399 bp
RefSeq ORF: 1401 bp
Locus ID: 18027
UniProt ID: [Q02780](#)
Cytogenetics: 4 45.52 cM
MW: 51.9 kDa

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]

Product images:



Circular map for MR225705