

Product datasheet for **MR225700**

Nfia (NM_001122952) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfia (NM_001122952) 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:

>MR225700 representing NM_001122952
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGCTTGCTGACAGCGTAATGGCAGGGAAAGCTTCGACGGTCCATCAAATGGCAGCTTTGCTACG
 ACATCTCGGCCAGAACTTGGTGGATGGATGAGTTTCATCCTTTTCATTGAAGCACTTCTGCCCATGTCCG
 CGCCTTCGCCTACACATGGTTCAACCTGCAGGCCCGAAAGCGGAAATACTTCAAAAAACATGAGAAGCGC
 ATGTGCGAAAGAAGAGGAGAGGGCCGTGAAGGATGAACTGCTAAGCGAGAAGCCGAGGTCAAGCAGAAGT
 GGGCTTCCGACTTCTGGCCAAGTTACGGAAAGATATCCGACCCGAGTACCGAGAGGATTTTGTCTTAC
 AGTTACAGGGAAAAACCTCCATGCTGTGTTCTTCCAACCTGATCAGAAAGGCAAGATGCGGAGAATT
 GACTGCCTCCGCCAGGCAGATAAAGTATGGAGGTTGGACCTCGTCATGGTATCTTGTTCAAAGGTATTC
 CGCTGGAAGTACTGATGGCGAGCGCTTGTAAAGAGTCCACAGTCTAATCCAGGGCTCTGTGTCCA
 GCCCATCACATAGGGGTTTCTGTAAGGAAGCTGATTTATATTTGGCATACTTTGTACATGCAGCAGAT
 TCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGTGAAGCTGACATTAAGGACCAGCCAGAAAATGGACATT
 TGGGCTTCCAGGACAGCTTTGTACATCAGGTGTTTTTCAGTGTGACTGAGCTAGTAAGAGTGTACAAAAC
 ACCAATAGCTGCAGGAACCGGCCCAATTTTTCTCTCTGATTTGAAAAGTTCTTCATACTACAGCATG
 AGTCCAGGAGCAATGAGGAGGTCTTGCCAGCACATCTCTACCAGCTTCAAAAGCGCCTCAAGTCTG
 TGGAGGATGAAATGGACAGTCTGGTGAAGAACCATTTTACACAGGCCAAGGGCGCTCCCCAGGGAGTGG
 CAGCCAGTCCAGTGGATGGCATGAAGTAGAGCCAGGCTTGCCATCTCAAGCACACTGAAGAAGTCTGAG
 AAGTCTGGTTTTCAGCAGCCCTCCCTTCGCAGACCTCCCTCCCTGGGAACAGCATTACACACAGCATCACC
 GACCTGTCAATTACAGGACCCAGAGCAAGTCCACATGCGACGCCATCGACTCTCCACTTTCCAACAGTACC
 CATCATCCAGCAGCCTGGGCTTACTTCTCACACCCAGCCATCCGTTACCACCCTCAGGAGACGCTGAAA
 GAGTTTGTCCAATTGTCTGTCTGATGCTGGTCAAGCTGGACAGGTGGGGTTCCTCAATCCCAATG
 GAAGCAGTCAAGGCAAGGTGCACAACCCATTCTCCACCCCAATGTTGCCGCCGCCACCACCACC
 GATGGCCAGGCTGTGCCTCTGCCATGCCAGACACCAAGCCTCAACCACATCAACAGAAGGAGGTGCA
 GCCTCCCCACCTCACCAGCTACTCGACACCCAGCACCTCCCCCGAAACCGATTGTCAGTGTGGAC
 CACGGATCCAAGCTTTGTAATATCCCTCAACAGACACAGTCTGGTACCTGGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225700 representing NM_001122952
 Red=Cloning site Green=Tags(s)

MKLADSVMAGKASDGSIKWQLCYDISARTWWMDEFHPFIEALLPHVRAFAYTWFNLQARKRYFKKHEKR
 MSKEEERAVKDELLSEKPEVKQKQWASRLAKLRKDIRPEYREDFLTVTGKKPPCCVLSNPDQKGMRRRI
 DCLRQADKVVRLDLVMVILFKGIPLESTDGERLVKSPQCSNPGLCVQPHHIGVSVKELDLYLAYFVHAAD
 SSQSESPSQPSEADIKDQPENGLGFQDSFVTSVGFVSVTELVRVSQTPIAAGTGPNFSLDLESSYYSM
 SPGAMRRSLPSTSSSTSKRLKSVEDEMDSPGEEPFYTGQGRSPGSGSQSSGWHEVEPGLPSPSTLKKSE
 KSGFSSPSPSQTSSLGTAFTQHHRPVITGPRASPHATPSTLHFPTSPIIQQPGPYFSHPAIRYHPQETLK
 EFVQLVCPDAGQQAGQVGFVLPNGSSQKVNHPFLPTPMLPPPPPPMARPVPLPMPDTPPTTSTEGGA
 ASPTSPTYSTPSTPANRFVSVGPRDPSFVNIPQQTQSWYLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2248_d12.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001122952

ORF Size: 1596 bp

OTI Disclaimer: 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_001122952.1](#), [NP_001116424.1](#)

RefSeq Size: 9289 bp

RefSeq ORF: 1599 bp

Locus ID: 18027

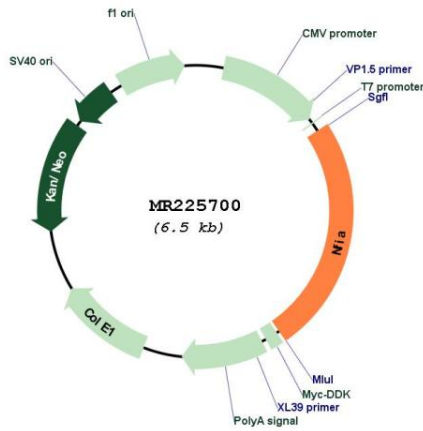
UniProt ID: [Q02780](#)

Cytogenetics: 4 45.52 cM

MW: 59 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 MR225700