

Product datasheet for **MR207901**

Nfia (BC075702) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfia (BC075702) 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:

>MR207901 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTATTCTCGCTCTGTCTCACCCAGGATGAGTTTCATCCTTTTCATTGAAGCACTTCTGCCCATGTCC
 GCGCCTTCGCCTACACATGGTTCAACCTGCAGGCCGAAAGCGGAAATACTTCAAAAAACATGAGAAGCG
 CATGTGCGAAAGAAGAGGAGAGGGCCGTGAAGGATGAAGTCTAAGCGAGAAGCCCGAGGTCAAGCAGAAG
 TGGGCTTCCCGACTTCTGGCCAAGTTACGGAAGATATCCGACCCGAGTACCGAGAGGATTTTGTCTTA
 CAGTTACAGGGAAAAACCTCCATGCTGTGTTCTTTCCAACCCTGATCAGAAAGGCAAGATGCGGAGAAT
 TGACTGCCTCCGCCAGGCAGATAAAGTATGGAGGTTGGACCTCGTCATGGTGATCTTGTCAAAGGTATT
 CCGCTGGAAGTACTGATGGCGAGCGCCTTGTAAGAGTCCACAGTGTCTAATCCAGGGCTCTGTGTCC
 AGCCCCATCACATAGGGGTTTCTGTAAGGAAGTCTGATTATATTTGGCATACTTTGTACATGCAGCAGA
 TTCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGTGAAGCTGACATTAAGGACCAGCCAGAAAATGGACAT
 TTGGGCTTCCAGGACAGCTTTGTACATCAGGTGTTTTAGTGTGACTGAGCTAGTAAGAGTGTCACAAA
 CACCAATAGTGCAGGAACCGGCCCAATTTTTCTCTCTCTGATTTGGAAAGTTCTTCACTACAGCAT
 GAGTCCAGGAGCAATGAGGAGTCTCTGCCAGCACATCTCTACCAGCTCTACAAAAGCGCCTCAAGTCT
 GTGGAGGATGAAATGGACAGTCTTGGTGAAGAACCATTTTACACAGGCCAAGGGCGCTCCCAGGGAGTG
 GCAGCCAGTCCAGTGGATGGCATGAAGTAGAGCCAGGCTTGCCATCTCCAAGCACACTGAAGAAGTCTGA
 GAAGTCTGGTTTTCAGCAGCCCCCTCCCCTTCGCAGACCTCCTCCCTGGGAACAGCATTACACAGCATCAC
 CGACCTGTCATTACAGGACCCAGAGCAAGTCCACATCGCAGCCATCGACTCTCCACTTTCCAACGTCAC
 CCATCATCCAGCAGCCTGGGCCTTACTTCTCACACCCAGCCATCGTTACCACCCTCAGGAGACGCTGAA
 AGAGTTTGTCCAACCTTGCTGTCTGCTGATGCTGGTCAGCAAGCTGGACAGGTGGGGTTCCTCAATCCAAT
 GGAAGCAGTCAAGGCAAGGTGCACAACCCATTCTCCCCACCCCAATGTTGCCGCGCGCCACCCACCAC
 CGATGGCCAGACCAAGCCTCCAACCACACTCACCGACCTACTCGACACCCAGCACCTCCCCGCAAA
 CCGATTGTCAGTGTGGACCACGGGATCCAAGCTTTGTAATATCCCTCAACAGACACAGTCTGGTAC
 CTGGGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207901 protein sequence
 Red=Cloning site Green=Tags(s)

MYSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKRMSKEEERAVKDELLSEKPEVKQK
 WASRLLAKLRKDIRPEYREDFVLTVTGKKPPCCVLSNPDKQKGMRRIDCLRQADKVRDLVIMVILFKGI
 PLESTDGERLVKSPQCSNPGLCVQPHHIGVSVKELDLYLAYFVHAADSSQSESPSQPSEADIKDQPENGH
 LGFQDSFVTSGVFSVTELVVRSQTPIAAGTGPNFSLSDLESSYYSMSGAMRRSLPSTSSSTKRLKS
 VEDEMDSPEEPFYTGGRSPGSGSQSSGWHEVEPGLPSPSTLKKSEKSGFSSPSPSQSSLGTAFTQHH
 RPVITGPRASPHATPSTLHFPTSPIIQQPGPYFSHPAIRYHPQETLKEFVQLVCPDAGQQAGQVGLNPN
 GSSQGVHNPFLPTMPLPPPPPPMARHQASNHTSPTYSTPSTSPANRFVSVGPRDPSFVNIPQQTQSWY
 LG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: BC075702

ORF Size: 1476 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: [BC075702](#), [AAH75702](#)

RefSeq Size: 3001 bp

RefSeq ORF: 1478 bp

Locus ID: 18027

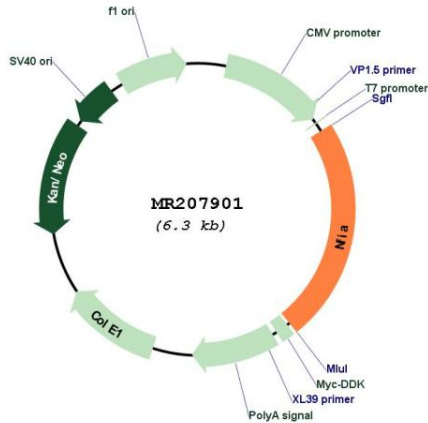
Cytogenetics: 4 45.52 cM

MW: 54.4 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 MR207901