

Product datasheet for **MG207901**

Nfia (BC075702) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfia (BC075702) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nfia
Synonyms:	1110047K16Rik; 9430022M17Rik; CTF; NF1-A; NF1A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207901 representing BC075702
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATTCTCGCTCTGTCTACCCAGGATGAGTTTCATCCTTTTCATTGAAGCACTTCTGCCCATGTCC
 GCGCCTTCGCCTACACATGGTTCAACCTGCAGGCCGAAAGCGGAAATACTTCAAAAAACATGAGAAGCG
 CATGTGCGAAAGAAGAGGAGAGGGCCGTGAAGGATGAAGTCTAAGCGAGAAGCCCGAGGTCAGCAGAAG
 TGGGCTTCCCGACTTCTGGCCAAGTTACGGAAGATATCCGACCCGAGTACCGAGAGGATTTTGTCTTA
 CAGTTACAGGGAAAAACCTCCATGCTGTGTTCTTTCCAACCCTGATCAGAAAGGCAAGATGCGGAGAAT
 TGACTGCCTCCGCCAGGCAGATAAAGTATGGAGGTTGGACCTCGTCATGGTGATCTTGTTCAAAGGTATT
 CCGCTGGAAGTACTGATGGCGAGCGCCTTGTAAGAGTCCACAGTGTCTAATCCAGGGCTCTGTGTCC
 AGCCCCATCACATAGGGGTTTCTGTAAGGAAGTCTGATTATATTTGGCATACTTTGTACATGCAGCAGA
 TTCAAGTCAATCTGAAAGTCCCAGCCAGCCAAGTGAAGCTGACATTAAGGACCAGCCAGAAAATGGACAT
 TTGGGCTTCCAGGACAGCTTTGTACATCAGGTGTTTTAGTGTGACTGAGCTAGTAAGAGTGTCACAAA
 CACCAATAGTGCAGGAACCGGCCCAATTTTTCTCTCTCTGATTTGGAAAGTTCTTCATACTACAGCAT
 GAGTCCAGGAGCAATGAGGAGGCTCTGCCAGCACATCTCTACCAGCTCTACAAAAGCGCCTCAAGTCT
 GTGGAGGATGAAATGGACAGTCTTGGTGAAGAACCATTTTACACAGGCCAAGGGCGCTCCCAGGGAGTG
 GCAGCCAGTCCAGTGGATGGCATGAAGTAGAGCCAGGCTTGCCATCTCCAAGCACACTGAAGAAGTCTGA
 GAAGTCTGGTTTTCAGCAGCCCCCTCCCCTTCGCAGACCTCCTCCCTGGGAACAGCATTACACAGCATCAC
 CGACCTGTCATTACAGGACCCAGAGCAAGTCCACATCGCAGCCATCGACTCTCCACTTTCCAACGTCAC
 CCATCATCCAGCAGCCTGGGCTTACTTCTCACACCCAGCCATCGTTACCACCCTCAGGAGAGCGTGA
 AGAGTTTGTCCAACCTTGTCTGTCTGCTGCTGGTCAGCAAGCTGGACAGGTGGGGTTCTCAATCCAAT
 GGAAGCAGTCAAGGCAAGGTGCACAACCCATTCTCCCCACCCCAATGTTGCCGCCGCCACCCACCAC
 CGATGGCCAGACCAAGCCTCCAACCACACTCACCGACCTACTCGACACCCAGCACCTCCCCGCAAAA
 CCGATTCGTCAGTGTGGACCACGGATCCAAGCTTTGTAATATCCCTCAACAGACACAGTCTGGTAC
 CTGGGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207901 representing BC075702
 Red=Cloning site Green=Tags(s)

MYSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKMSKEEERAVKDELLSEKPEVKQK
 WASRLLAKLRKDIRPEYREDFVLTVTGKKPPCCVLSNPDQKGMRRIDCLRQADKVRDLVLMVILFKGI
 PLESTDGERLVKSPQCSNPGLCVPHHIGVSVKELDLYLAYFVHAADSSQSESPSQPSEADIKDQPENH
 LGFQDSFVTSVFSVTELVRSQTPIAAGTGPNFSLSDLESSYYSMSPGAMRRSLPSTSSSTSSTKRLKS
 VEDEMDSPGEEPFTYTGQGRSPGSGSQSSGWHEVEPGLPSPSTLKKSEKSGFSSPSPSQSSLGTAFTQHH
 RPVITGPRASPHATPSTLHFPTSPIIQQPGPYFSHPAIRYHPQETLKEFVQLVCPDAGQQAGQVGFNLNPN
 GSSQGVHNPFLPTPMLPPPPPPMARHQASNHTSPTYSTPSTSPANRFVSVGPRDPSFVNIPQQTQSWY
 LG

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC075702

ORF Size: 1478 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

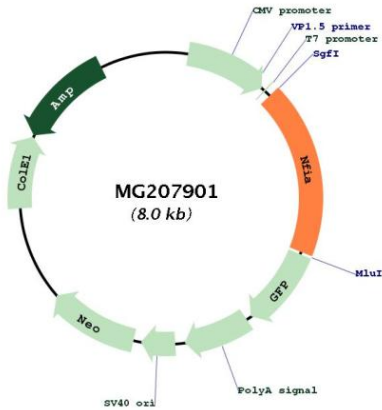
Locus ID: 18027

Cytogenetics: 4 45.52 cM

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 MG207901