

Product datasheet for **MR226220**

Nfic (NM_026756) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfic (NM_026756) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfic
Synonyms:	1110019L22Rik; 1500041O16Rik; AA589446; AI746521; NF1-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR226220 representing NM_026756
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTATTCTCCCGCTCTGCTGACCCAGGATGAGTTCACCCGTTTCATCGAGGCGCTGCTGCCGCATG
 TGC GCGCCTTCGCTACACCTGGTTCAACCTGCAGGCGCGCAAGCGCAAGTACTTCAAGAAGCACGAGAA
 GCGCATGTCCAAGGACGAGGAGCGCGGTGAAGGATGAGCTGCTGGGTGAAAAGCCGAAGTGAAGCAG
 AAGTGGGCGTCGCGGCTGCTGGCCAAGCTGCGCAAGGACATCCGGCCGAGTGCCGTGAAGACTTCGTAC
 TGGCTGTGACTGGCAAGAAGGCGCCAGGCTGTGTGCTGTCCAACCCGGACCAGAAGGCAAGATGCGGCG
 CATCGACTGCCTGCGCCAGGCCGACAAAGTGTGGCGTCTGGACCTGGTCATGGTCATCCTGTTCAAGGGC
 ATCCCACTGGAGACACAGATGGTGAGCGGCTGGTGAAGCGGCTGCCTGTGCGCACCCGGTGTGTGTG
 TGCAGCCGACCATATTGGCGTGGCCGTCAAGGAGCTGGACCTGTACCTGGCCTACTTTGTGCGGGAGCG
 CGATGCGGAGCAGAGCAGACGCCCGGACAGGTGTGGGCTCAGACCAGGAGGACAGCAAGCCATAACG
 CTGGACACCACAGACTTCCAGGAGAGCTTTGTACGTCAGGTGTGTTAGTGTACAGGAGCTGATCCAAG
 TGCTCTCGGACACCTGTGGTGACCGGAACCGGACCCAACCTCTCACTGGGAGAGCTGCAGGGTCACTGGC
 ATATGACCTGAACCCGGCCAGCGCCGGCATGAGAAGGACTCTACCCAGCACCTCCTCCAGTGGGAGCAAG
 CGGCACAAGTCGGGCTCGATGGAAGAGGACGTGGACACGAGCCCCGGCGGCGACTACTACACGTCGCCCCA
 ACTCACCCACGAGTAGCAGCCGCAACTGGACGGAAGACATAGAAGGAGGCATCTCATCCCCGGTGAAGAA
 GACAGAGATGGACAAATCTCCATTCAACAGCCCGTCCCCCAGGACTCCCCCGGCTCTCCAGCTTACA
 CAACACCACAGGCCGGTTCATCGCGGTACACAGTGGCATCGCGGAGCCCCACCCGACCTCGGCCCTGC
 ACTTCCCTGCCAGCCCCATCCTGCCACAGACAGCTCCACCTACTCCCCCATAACGGCCATCCGGTACCC
 GCCACATCTCAACCCCCAGGACCCGCTCAAGGATCTGGTGTCCCTGGCCTGTGACCCGGCCACCCAGCAG
 CCTGGACCGTCTGGTACCTGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226220 representing NM_026756
 Red=Cloning site Green=Tags(s)

MYSSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKRMSKDEERAVKDELLGEKAEVKQ
 KWASRLLAKLRKDIRPECREDFLAVTGKKAPGCVL SNPDQKGMRRIDCLRQADKVRWLDLVMVILFKG
 IPLESTDGERLVKAAACAHPVLCVOPHHIGVAVKELDL YLAYFVRERDAEQSSSPRTGVSQDQEDSKPIT
 LDTTDFQESFVTSVGFVSTELIQVSRTPVVTGTGPNFSLGELQGHLAYDLNPASAGMRRTL PSTSSSGSK
 RHKSGSMEEDVDTSPGGDYTSPNSPTSSRNWTEIEGGISSPVKKTMDKSPFNPSQDPSRLSSFT
 QHHRPVI AVHSGIARSPHPT SALHFPATPILPQTASTYFPHTAIRYPHLLNPQDPLKDLVSLACDPATQQ
 PGPSWYLG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja3052_g03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_026756

ORF Size: 1287 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_026756.2](#), [NP_081032.2](#)

RefSeq Size: 6218 bp

RefSeq ORF: 1287 bp

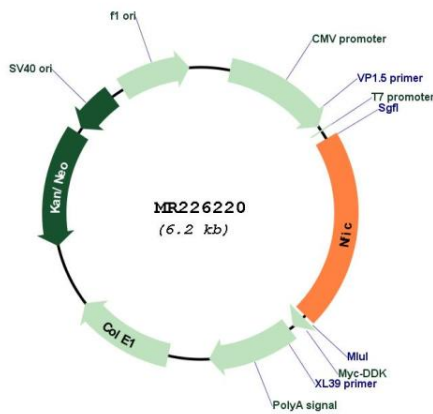
Locus ID: 18029

Cytogenetics: 10 39.72 cM

MW: 47.5 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 MR226220