

Product datasheet for **MR226218**

Nfic (NM_008688) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfic (NM_008688) 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)



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ORF Nucleotide Sequence:

>MR226218 representing NM_008688
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTATTCTCCCGCTCTGCTGACCCAGGATGAGTTCACCCGTTTCATCGAGGCGCTGCTGCCGCATG
 TGC GCGCCTTCGCTACACCTGTTCAACCTGCAGGCGCGCAAGCGCAAGTACTTCAAGAAGCACGAGAA
 GCGCATGTCCAAGGACGAGGAGCGCGGTGAAGGATGAGCTGCTGGGTGAAAAGCCGAAGTGAAGCAG
 AAGTGGGCGTCGCGGCTGCTGGCCAAGCTGCGCAAGGACATCCGGCCGAGTGCCGTGAAGACTTCGTAC
 TGGCTGTGACTGGCAAGAAGGCGCCAGGCTGTGTGCTGTCCAACCCGGACCAGAAGGCAAGATGCGGCG
 CATCGACTGCCTGCGCCAGGCCGACAAAGTGTGGCGTCTGGACCTGGTCATGGTCATCCTGTTCAAGGGC
 ATCCCACTGGAGACACAGATGGTGAGCGGCTGGTGAAGCGGCTGCCTGTGCGCACCCGGTGTGTGTG
 TGCAGCCGACCATATTGGCGTGGCCGTCAAGGAGCTGGACCTGTACCTGGCCTACTTTGTGCGGGAGCG
 CGATGCGGAGCAGAGCAGACGCCCGGACAGGTGTGGGCTCAGACCAGGAGGACAGCAAGCCATAACG
 CTGACACACAGACTTCCAGGAGAGCTTTGTACAGTCAGGTGTGTTAGTGTACAGGAGCTGATCCAAG
 TGCTCTCGGACACCTGTGGTGACCGGAACCGGACCCAACCTCTCACTGGGAGAGCTGCAGGGTCACTGGC
 ATATGACCTGAACCCGGCCAGCGCCGGCATGAGAAGGACTCTACCCAGCACCTCCTCCAGTGGGAGCAAG
 CGGCACAAGTCGGGCTCGATGGAAGAGGACGTGGACACGAGCCCCGGCGGCGACTACTACACGTCGCCCCA
 ACTCACCCACGAGTAGCAGCCGCAACTGGACGGAAGACATAGAAGGAGGCATCTCATCCCCGGTGAAGAA
 GACAGAGATGGACAAATCTCCATTCAACAGCCCGTCCCCCAGGACTCCCCCGGCTCTCCAGCTTACA
 CAACACCACAGGCCGGTTCATCGCGGTACACAGTGGCATCGCGCGGAGCCCCACCCGACCTCGGCCCTGC
 ACTTCCCTGCCAGCCCCATCCTGCCACAGACAGCCTCACCTACTTCCCCATACGGCCATCCGGTACCC
 GCCACATCTCAACCCCCAGGACCCGCTCAAGGATCTGGTGTCCCTGGCCTGTGACCCGGCCACCCAGCAG
 CCTGGACCGCCTGCTCTCGCCGACACGTCCCCTGCAAACAGTCCCTTTGTGGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR226218 representing NM_008688
 Red=Cloning site Green=Tags(s)

MYSSPLCLTQDEFHPFIEALLPHVRAFAYTWFNLQARKRKYFKKHEKRMSKDEERAVKDELLGEKAEVKQ
 KWASRLAKLRKDIRPECREDFLAVTGKAPGCVLSNPDQKGMRRIDCLRQADKVRDLVMVILFKG
 IPLESTDGERLVKAAACAHVLCVOPHHIGVAVKELDLAYFVRRERDAEQSSSPRTGVSQDQEDSKPIT
 LDTTDFQESFVTSVGVFVTELIQVSRTPVVTGTGPNFSLGELQGHLAYDLNPASAGMRRLPSTSSSGSK
 RHKSGSMEEDVDTSPGGDYTSNPSPTSSRNWTEIEGGISSPVKKTMDKSPFNPSQDPSRLSSFT
 QHHRPVIIVHSGIARSPHPTSALHFPATPILPQTASTYFPHTAIRYPPHLLNPQDPLKDLVSLACDPATQQ
 PGPPALRPTRPLQTVPLWD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja2243_b03.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



ACCN: NM_008688

ORF Size: 1317 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_008688.3](#), [NP_032714.1](#)

RefSeq Size: 6295 bp

RefSeq ORF: 1320 bp

Locus ID: 18029

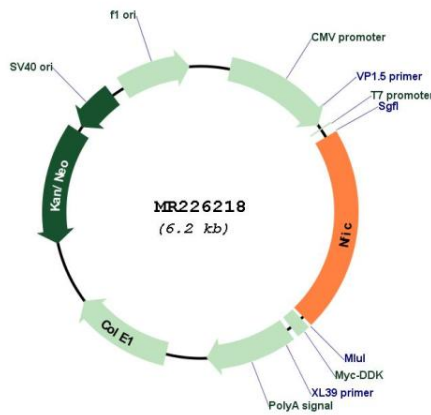
UniProt ID: [P70255](#)

Cytogenetics: 10 39.72 cM

MW: 49.2 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 MR226218