

## Product datasheet for **MR207035**

### **Nfix (NM\_001081982) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nfix (NM_001081982) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfix
Synonyms:	CTF; NF-I/X; NF1-X; NFI-X
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207035 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTA**CTCCCGTACTGCCTCACCCAGGATGAGTTCACCCGTTTATCGAGGCGTCTGCCTCAGTCC**  
 GAGCCTTCTCCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCACGAGAAGCG  
 GATGTCAAAGGACGAGGAGCGCGCAGTGAAGGACGAGCTGCTGGGCGAGAAGCCTGAGATCAAGCAGAAG  
 TGGGCATCCCGGCTGTTGGCCAAGCTGCGCAAAGACATCCGGCCCGAGTTCGCGAGGACTTTGTCTAA  
 CCATCACGGGCAAGAAGCCCCCTGCTGCGTGTCTTCAACCCCGACCAGAAGGGCAAGTCCGGCGGAT  
 TGACTGCCTGCGCCAGGCTGACAAGGTGTGGCGGCTGGACCTGGTCATGGTGATTTTGTAAAGGGATC  
 CCTTTGAAAGTACTGATGGGGAGCGGCTCTACAAGTCGCCCCAGTGTCTGAACCCCGGCTGTGTGTCC  
 AGCCACATCACATTGGAGTACAATCAAAGAACTGGACCTTTATCTGGCTTACTTTGTCCACTCCGGA  
 ATCCGGACAATCAGATAGTTCAAACCAGCAAGGAGATGCGGACATCAAACCACTGCCAACGGGCACCTA  
 AGTTTCCAGGACTGCTTTGTGACGTCTGGGGTCTGGAATGTGACAGAGCTGGTGAGAGTATCACAGACTC  
 CAGTTGCGACTGCATCAGGGCCAACTTCTCACTGGCGGACCTGGAGAGCCCCAGCTACTACAACATAAA  
 TCAAGTGACCCTGGGAAGGCGGTCCATCACCTCCCTCCTTCCACCAGCAGCACCAAGCGCCCCAAGTCC  
 ATCGACGACAGTGAGATGGAGAGTCCAGTAGATGATGTGTTCTATCCTGGGACAGGCCGCTCTCCGGCCG  
 CTGGCAGCAGCCAGTCTAGCGGATGGCCCAATGACGTGGATGCAGGCCCTGCTTCTCAAAGAAGTCAGG  
 AAAGCTGGACTTCTGCAGCGCCCTCTCCTCTCAGGGCAGTTCCCCACGCATGGCTTTCACCCACCACCCG  
 CTGCCTGTGCTTGTGGAGTCAAGCAGGAGCCCGGGCCACGGCATCAGCGTGCACCTCCCTTCCA  
 CGTCCATCATCCAGCAGTCAAGCCCGTATTTACACACCCCAACCATCCGCTACCACCACCACCATGGGCA  
 GGACTCGCTGAAGGAGTTTGTGCAAGTTTGTGTGCTCTGACGGCTCGGGTCAAGGCCACCGGACAGCATTCA  
 CAACGACAGGCGCCTCCTCTGCCAACCGTTTTGTGACATCGGATCCCGGACGGCAACTTTC

**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT**  
**ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>MR207035 protein sequence  
 Red=Cloning site Green=Tags(s)

MYSPLYCLTQDEFHPFIEALLPHVRAFSTWFLQARKRKYFKKHEKRMSKDEERAVKDELLGEKPEIKQK  
 WASRLLAKLRKDIRPEFREDFVLTITGKKPPCCVLSNPQKKGKIRRIDCLRQADKVVRLDLVMVILFKGI  
 PLESTDGERLYKSPQCSNPGLCVQPHHIGVTIKELDLAYFVHTPEESQSDSSNQGDADIKPLPNGHL  
 SFQDCFVTSQVWVNTLVRSQTPVATASGPNFSLADLESPPSYINQVTLGRRSITSPSTSSSTRPKS  
 IDDEMEMSPVDDVFYPGTGRSPAAGSSQSSGWPNDVDAGPASLKKSGKLDKDFCSALSSQSSPRMAFTTHP  
 LPVLAVRPGSPRATASALHFPSTSI IQSSPYFTHPTIRYHHHHQDSLKEFVQFVCSGSGQATGQHS  
 QRQAPPLPTGLSASDPGTATF

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: NM\_001081982

ORF Size: 1326 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\\_001081982.3](#)

RefSeq Size: 5626 bp

RefSeq ORF: 1326 bp

Locus ID: 18032

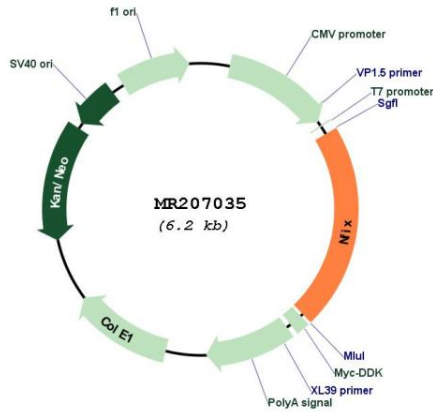
UniProt ID: [P70257](#)

Cytogenetics: 8 41.02 cM

**MW:** 48.9 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. Isoform NFIX1 acts as a transcriptional activator while isoform NFIX3 acts as a repressor.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207035