

## Product datasheet for **RC234318**

### **NFIX (NM\_001271043) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NFIX (NM_001271043) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NFIX
Synonyms:	CTF; MRSHSS; NF-I/X; NF1-X; NF1A; SOTOS2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234318 representing NM\_001271043  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGATGTCATGGGCGGACAGAGCCTGGCGGGATACCAGCAGCGTGTGATGAGTTCACCCGTTCA  
 TCGAGGCACTGCTGCCTCACGTCCGCGCTTCTCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCAA  
 GTACTTCAAGAAGCATGAAAAGCGGATGTCGAAGGACGAGGAGCGGGCGGTGAAGGACGAGCTGCTGGGC  
 GAGAAGCCGAGATCAAGCAGAAGTGGGCATCCCGGCTGCTGGCCAAGCTGCGCAAGGACATCCGGCCCG  
 AGTTCGCGGAGGACTTCTGTGCTGACCATCACGGGCAAGAAGCCCCCTGCTGCGTCTCTCAACCCCGA  
 CCAGAAGGCAAGATCCGGCGGATTGACTGCCTGCGCCAGGCTGACAAGGTGTGGCGGCTGGACCTGGTC  
 ATGGTGATTTTGTAAAGGGATCCCCCTGAAAGTACTGATGGGAGCGGCTCTACAAGTCGCTCAGT  
 GCTCGAACCCCGCCTGTGCGTCCAGCCACATCACATTGGAGTACAATCAAAGAACTGGATCTTTATCT  
 GGCTTACTTTGTCCACTCCGGAATCCGACAATCAGATAGTTCAAACCAGCAAGGAGATGCGGACATC  
 AAACCACTGCCAACGGGCACTTAAGTTTCCAGGACTGTTTTGTGACTTCCGGGGTCTGGAATGTGACGG  
 AGCTGGTGAGAGTATCACAGACTCCTGTTGCAACAGCATCAGGGCCCAACTTCTCCCTGGCGGACCTGGA  
 GAGTCCCAGTACTACAACATCAACCAGGTGACCTGGGGCGGCGGTCCATCACCTCCCCTCCTTCCACC  
 AGCACCACCAAGCGCCCCAAGTCCATCGATGACAGTGAGATGGAGAGCCCTGTTGATGACGTGTTCTATC  
 CCGGGACAGGCGGTTCCCCAGCAGCTGGCAGCAGCCAGTCCAGCGGGTGGCCCAACGATGTGGATGCAGG  
 CCCGGCTTCTCTAAAGAAGTCAAGAAAGCTGGACTTCTGCAAGTCCCTCTCCTCTCAGGGCAGCTCCCCG  
 CGCATGGCTTTCACCCACCACCCGCTGCCTGTGCTTGTGGAGTCAAGCAGGAGCCCGGGCCACAG  
 CATCAGCCCTGCACTTCCCTCCACGTCATCATCCAGCAGTCCAGCCGATTTTACGCACCCGACCAT  
 CCGCTACCACCACCACCGGGCAGGACTCACTGAAGGAGTTTGTGAGTTTGTGTGCTCGGATGGCTCG  
 GGCCAGGCCACCGACAGCCCAACGGTAGCGGCCAGGGCAAAGTCCCGGGTCAATTTTGTACCGCCG  
 CGCTCCAGTGGCCAGACCTGTGCCCTTCTATGCCTGATTCCAAATCCACCAGCACTGCCCCAGACGG  
 CGCCGCTTACTCCTCCATCACCTTATTGCAACGACAGGCGCTCCTCTGCCAACCGGTTTGTGACG  
 ATCGGACCCCGGACGGCAACTTCTGAACATCCACAGCAGTCTCAGTCTGTTCTCT

**ACGCGT**ACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234318 representing NM\_001271043  
 Red=Cloning site Green=Tags(s)

MEMSWARQSLAGIPAACDEFHPFIEALLPHVRAF SYTWFNLQARKRKYFKKHEKRMSKDEERAVKDELLG  
 EKPEIKQK WASRLLAKLRKDIRPEFREDFVLITGKKPPCCVLSNPDQKGI RRRIDCLRQADKVRDLV  
 MVILFKGI PLESTDGERLYKSPQCSNPGLCVQPHHIGVTIKELDLYLAFVHTPESGQSDSSNQGDADI  
 KPLPNGHLSFQDCFVTSQVWVNTLVRSQTPVATASGPNFSLADLESYNNINQVTLGRRSITSPST  
 STTKRPKSIDDSEME SPVDDVFYPGTGRSPAAGSSQSSGWPNDVDAGPASLKKSGKLD FCSALSSQSSP  
 RMAFTHHPLPVLAVRPGSPRATASALHFPSTSI IQSSPYFTHPTIRYHHHHGQDSLKEFVQFVCSGDS  
 GQATGQPNGSGQKVPGSFLLPPPPVAVPPLPMPDSKSTSTAPDGAALTPPSPSFATTGASSANRFVS  
 IGPRDGNFLNIPQSQSWFL

**TRTRPLEQKLI SEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001271043

**ORF Size:** 1530 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\\_001271043.2](#), [NP\\_001257972.1](#)

**RefSeq Size:** 5733 bp

**RefSeq ORF:** 1533 bp

**Locus ID:** 4784

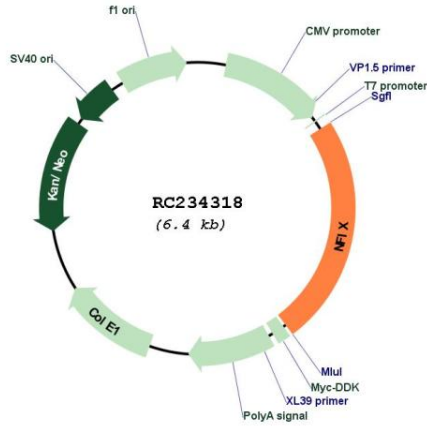
**Cytogenetics:** 19p13.13

**Protein Families:** Transcription Factors

MW: 56.3 kDa

Gene Summary: The protein encoded by this gene is a transcription factor that binds the palindromic sequence 5'-TTGGCNNNNNGCCAA-3 in viral and cellular promoters. The encoded protein can also stimulate adenovirus replication in vitro. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2012]

Product images:



Circular map for RC234318