

Product datasheet for **RG234083**

NFIX (NM_001271044) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: NFIX (NM_001271044) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: NFIX
Synonyms: CTF; MRSHSS; NF-I/X; NF1-X; NF1A; SOTOS2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG234083 representing NM_001271044
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGAGTTCCACCCGTTTCATCGAGGCACTGCTGCCTCACGTCGCGCTTTCTCTACACCTGGTTCA
 ACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCATGAAAAGCGGATGTCGAAGGACGAGGAGCGGGC
 GGTGAAGGACGAGCTGCTGGGCGAGAAGCCGAGATCAAGCAGAAGTGGGCATCCCGCTGCTGGCCAAG
 CTGCGCAAGGACATCCGGCCGAGTTCGCGGAGGACTTCGTGCTGACCATCACGGGAAGAAGCCCCCT
 GCTGCGTCTCCAACCCGACCAGAAGGGCAAGATCCGGCGGATTGACTGCCTGCGCCAGGCTGACAA
 GGTGTGGCGGCTGGACCTGGTCATGGTATTTTGTAAAGGGATCCCCCTGGAAAGTACTGATGGGGAG
 CGGCTCTACAAGTCGCCTCAGTGCTCGAACCCCGCCTGTGCGTCCAGCCACATCACATTGGAGTCACAA
 TCAAAGAAGTGGATCTTTATCTGGCTTACTTTGTCCACTCCGGAATCCGGACAATCAGATAGTTCAAA
 CCAGCAAGGAGATGCGGACATCAAACCTGCCAACGGGCACTTAAGTTTCCAGGACTGTTTTGTGACT
 TCCGGGTCTGGAATGTGACGGAGCTGGTGAGAGTATCACAGACTCCTGTTGCAACAGCATCAGGGCCCA
 ACTTCTCCCTGGCGGACCTGGAGAGTCCAGCTACTACAACATCAACCAGGTGACCCTGGGGCGGGGTC
 CATCACCTCCCTCCTTCCACCAGCACCACCAAGCGCCCAAGTCCATCGATGACAGTGAATGGAGAGC
 CCTGTTGATGACGTGTTCTATCCCGGGACAGGCGTTCGCCAGCAGTGGCAGCAGCCAGTCCAGCGGGT
 GGCCCAACGATGTGGATGCAGGCCGGCTTCTCTAAAGAAGTCAAGAAAGCTGGACTTCTGCAAGTGCCT
 CTCTCTCAGGGCAGTCCCGCGCATGGCTTTCAACCACCACCCGCTGCCTGTGCTTGTGGAGTCAGA
 CCAGGGAGCCCCGGGCCACAGCATCAGCCCTGCACTTCCCTCCAGTCCATCATCCAGCAGTCGAGCC
 CGTATTTACGCACCCGACCATCCGCTACCACCACCACCGGGCAGGACTCACTGAAGGAGTTTGTGCA
 GTTTGTGTGCTCGGATGGCTCGGGCCAGGCCACCGGACAGCATTTCGCAACGACAGGCGCCTCTCTGCCA
 ACCGTTTGTGATCGGATCGGACCCCGGGACGGCAACTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG234083 representing NM_001271044
Red=Cloning site Green=Tags(s)

MDEFHPFIEALLPHVRAFSTWFWNLQARKRKYFKKHEKRMSKDEERAVKDELLGEKPEIKQKWASRLAK
 LRKDIRPEFREDFVLTITGKKPPCCVLSNPDQKGIIRRIDCLRQADKVVRLDLVMVILFKGIPLSTDGE
 RLYKSPQCSNPGLCVQPHHIGVTIKELDLYLAYFVHTPESGQSDSSNQGDADIKPLPNGHLSFQDCFVT
 SGVWNVTELVRVSQTPVATASGPNFSLADLESPSYNINQVTLGRRSITSPSTSTTKRPKSIDDSEMS
 PVDDVYFPGTGRSPAAGSSQSSGWPNDVDAGPASLKKSGKLDFCALSSQGSPPRMAFTHHPLPVLAVR
 PGSPRATASALHFPSTSI IQSSPYFTHPTIRYHHHHGQDSLKEFVQFVCSGSGQATGQHSQRQAPPLP
 TGLSASDPGTATF

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001271044

ORF Size: 1299 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_001271044.3](#)

RefSeq Size: 5545 bp

RefSeq ORF: 1302 bp

Locus ID: 4784

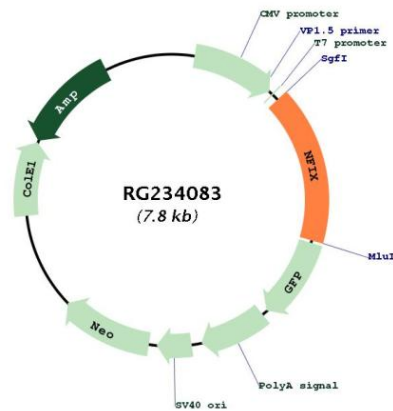
UniProt ID: [Q14938](#)

Cytogenetics: 19p13.13

Protein Families: Transcription Factors

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 RG234083