

Product datasheet for **RG234318**

NFIX (NM_001271043) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFIX (NM_001271043) 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)



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ORF Nucleotide Sequence:

>RG234318 representing NM_001271043
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGGAGATGTCATGGGCGCGACAGAGCCTGGCGGGATACCAGCAGCGTGTGATGAGTTCACCCGTTCA
 TCGAGGCACTGCTGCCTCACGTCGCGCTTTCTCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCAA
 GTACTTCAAGAAGCATGAAAAGCGGATGTCGAAGGACGAGGAGCGGGCGGTGAAGGACGAGCTGCTGGGC
 GAGAAGCCCGAGATCAAGCAGAAGTGGGCATCCCGGCTGCTGGCCAAGCTGCGCAAGGACATCCGGCCCG
 AGTTCGCGAGGACTTCGTGCTGACCATCACGGGCAAGAAGCCCCCTGCTGCGTCTCTCAACCCCGA
 CCAGAAGGGCAAGATCCGGCGGATTGACTGCCTGCGCCAGGCTGACAAGGTGTGGCGGCTGGACCTGGTC
 ATGGTGATTTTGTAAAGGGATCCCCCTGAAAGTACTGATGGGAGCGGCTCTACAAGTCGCTCAGT
 GCTCGAACCCCGCCTGTGCGTCCAGCCACATCACATTGGAGTACAATCAAAGAAGTGGATCTTTATCT
 GGCTTACTTTGTCCACTCCGGAATCCGACAATCAGATAGTTCAAACCAGCAAGGAGATGCGGACATC
 AAACCACTGCCAACGGGCACTTAAGTTTCCAGGACTGTTTTGTGACTTCCGGGGTCTGGAATGTGACGG
 AGCTGGTGAGAGTATCACAGACTCCTGTTGCAACAGCATCAGGGCCCAACTTCTCCCTGGCGGACCTGGA
 GAGTCCCAGCTACTACAACATCAACCAGGTGACCTGGGGCGGCGGTCCATCACCTCCCCTCCTTCCACC
 AGCACCACCAAGCGCCCCAAGTCCATCGATGACAGTGAGATGGAGAGCCCTGTTGATGACGTGTTCTATC
 CCGGGACAGGCCGTTCCCGAGCAGCTGGCAGCAGCCAGTCCAGCGGGTGGCCCAACGATGTGGATGCAGG
 CCCGGCTTCTCTAAAGAAGTCAAGAAAGCTGGACTTCTGCAGTGCCCTCTCCTCTCAGGGCAGCTCCCCG
 CGCATGGCTTTACCCACCACCCGCTGCCTGTGCTTGTGAGTCAAGCAGGAGCCCGGGCCACAG
 CATCAGCCCTGCACTTCCCCTCCACGTCCATCCAGCAGTCCAGCCCGTATTTACGCACCCGACCAT
 CCGCTACCACCACCAACCGGGCAGGACTCACTGAAGGAGTTTGTGCAGTTTGTGTGCTCGGATGGCTCG
 GGCCAGGCCACCGGACAGCCCAACGGTAGCGGCCAGGGCAAAGTCCCGGGGTCATTTTGTACCGCCGC
 CGCCTCCAGTGGCCAGACCTGTGCCCTTCTATGCTGATTCCAATCCACCAGCACTGCCCCAGACGG
 CGCCGCTTGACTCCTCCATCACCTTCATTGCAACGACAGGCGCTCCTCTGCCAACGGTTTGTGAGC
 ATCGGACCCCGGACGGCAACTTCTGAACATCCACAGCAGTCTCAGTCTGTTCTCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234318 representing NM_001271043
 Red=Cloning site Green=Tags(s)

MEMSWARQSLAGIPAAACDEFHPFIEALLPHVRAFSYTWFLQARKRKYFKKHEKRMSKDEERAVKDELLG
 EKPEIKQKQASRLAKLRKDIRPEFREDFVLITGKKPPCCVLSNPQKQKIRRIDCLRQADKVWRDLV
 MVILFKGIPLSTDERLYKSPQCSNPGLCVQPHHIGVTIKELDLYLAYFVHTPESGQSDSSNQGDADI
 KPLPNGHLSFQDCFVTSGVWNVTELVRVSQTPVATASGPNFSLADLESPPSYNNINQVTLGRRSITSPST
 STTKRPKSIDDSEMSPVDDVFYPGTGRSPAAGSSQSSGWPNDVDAGPASLKKSGKLDLFCALSSQGSSP
 RMAFTHHPLPVLAVRPGSPRATASALHFPSTSIQQSSPYFTHPTIRYHHHHGQDSLKEFVQFVCSGDS
 GQATGQPNGSGQKVPGSFLLPPPPVARPVPLPMPDSKSTSTAPDGAALTPPSPSFATTGASSANRFVS
 IGRPDGNFLNIPQSQSWFL

TRTRPLE – GFP Tag – V

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

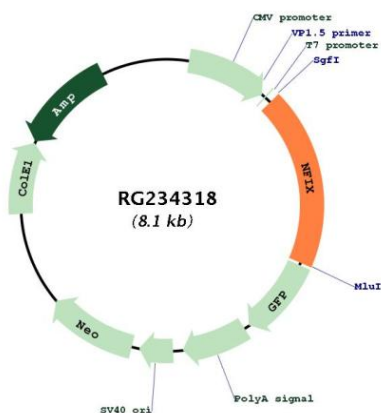
Locus ID: 4784

Cytogenetics: 19p13.13

Protein Families: Transcription Factors

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 RG234318