

Product datasheet for **MG207035**

Nfix (BC003766) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfix (BC003766) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nfix
Synonyms:	CTF; NF-I/X; NF1-X; NFI-X
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG207035 representing BC003766 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTACTCCCCGTAAGTGCCTCACCCAGGATGAGTTCACCCGTTTATCGAGGGCGTCTGCCTCACGTCC
GAGCCTTCTCCTACACCTGGTTCAACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCAGGAGAAGCG
GATGTCAAAGGACGAGGAGCGCGCAGTGAAGGACGAGCTGCTGGGCGAGAAGCCTGAGATCAAGCAGAAG
TGGGCATCCCGGCTGTTGGCCAAGCTGCGCAAAGACATCCGCCCGAGTCCGCGAGGACTTTGTGCTAA
CCATCACGGGCAAGAAGCCCCCTGCTGGGTGCTTTCCAACCCGACCAGAAGGGCAAGATCCGGCGGAT
TGAATGCCTGCGCCAGGCTGACAAGGTGTGGCGGCTGGACCTGGTTCATGGTATTTGTTTAAAGGGATC
CCTTTGAAAGTACTGATGGGGAGCGGCTCTACAAGTCGCCCCAGTGTCTGAACCCCGGCCCTGTGTGTCC
AGCCACATCACATTGGAGTCACAATCAAAGAACTGGACCTTTATCTGGCTTACTTTGTCCACACTCCGGA
ATCCGGACAATCAGATAGTTCAAACCAGCAAGGAGATGCGGACATCAAACCCTGCCAACGGGCACTTA
AGTTTCCAGGACTGCTTTGTGACGTCTGGGTCTGGAATGTGACAGAGCTGGTGAGAGTATCACAGACTC
CAGTTGCGACTGCATCAGGGCCCACTTCTCACTGGCGGACCTGGAGAGCCCCAGCTACTACAACATAAA
TCAAGTGACCTGGGAAGGCGGTCCATCACCTCCCCTCCTCCACCAGCAGCACCAAGCGCCCCAAGTCC
ATCGACGACAGTGAGATGGAGAGTCCAGTATGATGTGTTCTATCCTGGGACAGGCCGCTCTCCGGCCG
CTGGCAGCAGCCAGTCTAGCGGATGGCCCAATGACGTGGATGCAGGCCCTGCTTCTTAAAGAAGTCAAG
AAAGCTGGACTTCTGCAGCGCCCTCTCCTCTCAGGGCAGTTCACACGCATGGCTTTACCCACCCCGG
CTGCCTGTGCTTGTGGAGTCAAGCAGGGAGCCCCGGGCCACGGCATCAGCGCTGCACTTCCCTTCCA
CGTCCATCATCCAGCAGTCGAGCCCGTATTTACACACCCAACCATCCGCTACCACCACCACCATGGGCA
GGACTCGTGAAGGATTTGTGAGTGTGCTCTGACGGCTCGGGTCAAGGCCACCGGACAGCATTCA
CAACGACAGGCGCTCCTCTGCCAACCGGTTTGTGAGCATCGGATCCCGGGACGGCAACTTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207035 representing BC003766
 Red=Cloning site Green=Tags(s)

MYSPLYCLTQDEFHPFIEALLPHVRAFSTWFWNLQARKRKYFKKHEKRMKDEERAVKDELLGEKPEIKQK
 WASRLLAKLRKDIRPEFREDFVLTITGKKPPCCVLSNPDQKGIKRRIDCLRQADKVVWRLDLVMVILFKGI
 PLESTDGERLYKSPQCSNPGLCVQPHHIGVTIKELDLAYFYVHTPESGQSDSSNQGDADIKPLPNGHL
 SFQDCFVTSGVWVNTLVRVSQTPVATASGPNFSLADLESPPSYNINQVTLGRRSITSPSTSSSTRPKS
 IDDSEMEPVDDVFYPGTGRSPAAGSSQSSGWPNDVDAGPASLKKSGKLDKFCALSSQSSPRMAFTHHP
 LPVLAGVRPGSPRATASALHFPSTSI IQSSPYFTHPTIRYHHHHGQDSLKEFVQFVCSGDSGQATGQHS
 QRQAPPLPTGLSASDPGTATF

TRTRPLE – GFP Tag – V

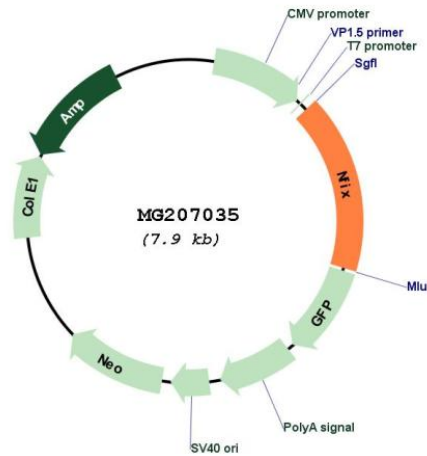
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

BC003766

ORF Size:	1325 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:	<ol style="list-style-type: none">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:	BC003766 , AAH03766
RefSeq Size:	1444 bp
RefSeq ORF:	1325 bp
Locus ID:	18032
Cytogenetics:	8 41.02 cM
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]