

Product datasheet for **MC227453**

Nfix (NM_001297601) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nfix (NM_001297601) Mouse Untagged Clone
Tag: Tag Free
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)
Fully Sequenced ORF: >MC227453 representing NM_001297601
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATGAGTTCCACCCGTTTATCGAGGCGCTGCTGCCTCACGTCCGAGCCTTCTCTACACCTGGTTCA
ACCTGCAGGCGCGGAAGCGCAAGTACTTCAAGAAGCACGAGAAGCGGATGTCAAAGGACGAGGAGCGCGC
AGTGAAGGACGAGCTGCTGGGCGAGAAGCCTGAGATCAAGCAGAAGTGGGCATCCCGCTGTTGGCCAAG
CTGCGCAAAGACATCCGGCCGAGTTCGCGGAGGACTTTGTGCTAACCATCACGGGAAGAAGCCCCCT
GCTGCGTCTTCCAACCCGACCAGAAGGGCAAGATCCGGCGGATTGACTGCCTGCGCCAGGCTGACAA
GGTGTGGCGGCTGGACCTGGTCATGGTATTTGTTTAAAGGGATCCCTTTGGAAAGTACTGATGGGGAG
CGGCTCTACAAGTCGCCCCAGTGCTCGAACCCCGGCTGTGTGTCCAGCCACATCACATTGGAGTACAA
TCAAAGAAGTGGACCTTTATCTGGCTTACTTTGTCCACACTCCGGAATCCGGACAATCAGATAGTTCAAA
CCAGCAAGGAGATGCGGACATCAAACACTGCCAACGGGCACTTAAGTTTCCAGGACTGCTTTGTGACG
TCTGGGTCTGGAATGTGACAGAGCTGGTGTGAGATATCACAGACTCCAGTTGCGACTGCATCAGGGCCCA
ACTTCTCACTGGCGGACCTGGAGAGCCCCAGCTACTACAACATAAATCAAGTGACCCTGGGAAGGCGGTC
CATCACCTCCCCCTCCACCAGCACCAAGCGCCCCAAGTCCATCGACGACAGTGTGAGATGGAGAGTCCA
GTAGATGTGTTCTATCCTGGGACAGGCCGCTCTCCGGCCGCTGGCAGCAGCCAGTCTAGCGGATGGC
CCAATGACGTGGATGCAGGGAGCCCCCGGCCACGGCATCAGCGCTGCACTTCCCTTCCAGTCCATCAT
CCAGCAGTGCAGCCGATTTTACACACCCAACCATCCGCTACCACCACCACCATGGGCAGGACTCGCTG
AAGGAGTTTGTGAGTTTGTGTCTGACGGCTCGGGTACGGCCACCGACAGCATTACAACGACAGG
CGCTCTCTGCCAACCGTTTGTGAGCATCGGATCCCGGACGGCAACTTTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001297601
Insert Size:	1176 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	NM_001297601.1 , NP_001284530.1
RefSeq Size:	6175 bp
RefSeq ORF:	1176 bp
Locus ID:	18032
Cytogenetics:	8 41.02 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon and another alternate exon compared to variant 3, that causes a frameshift. The resulting isoform (4) has a shorter and distinct C-terminus and lacks an alternate internal segment compared to isoform 3.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>