

## Product datasheet for **MC228992**

### **Nfx1 (NM\_001290448) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nfx1 (NM_001290448) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfx1
Synonyms:	1300017N15Rik; 3000003M19Rik; NFX.1; TEG-42; Tex42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228992 representing NM\_001290448  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGAGGCGCCTCCGGTCTCAGGCACCTTTAAATTCATACAGATGCTGCTGAGTTCATTCCTCAGG  
 AGAGAAAACTTCTGGTCTAAATTGTGGGACCCAAAGAAGACTAGATTCTAGTAGGATTGGCAGAAGAAA  
 TTATAGTTCCTCGCCTCCTGTACACCTTCTAGACACATCCCTTATGAAGACATCTCTGCTGTTTCATCAG  
 CACAGTTATGCCTCTGGAAGCAAACCTAAGAGTCCCCAGGGTTTTTCCAGTCATCTAATAAATCACTCA  
 AGAACCATGGCCTTCAGAATCAGCCATGGCAGAAAGCAAGGAATGAAAAGCACAAAACAGAAAACAGAA  
 AGCACAAGGGCTCTCTGAGCAGACGTGAGATACATCTAGTTTAGAAAGTGTAGCCAGGTCAGAGAGTGGA  
 ACAAAACCCGAGAGACACAGCCCTCCGAGAGTGAGAAGGAGGTGGTTATCGCAGATCCCAGGGGAGCGA  
 AACCCAAAAAGCAGCACAGCTTACATACTAATGTCAGAGGACCAAAGGCCAAAGGGAGACTCAGAAG  
 CGAGTGGGGTAATAGAATGAGCCCAAAGTCTGAGGACGAAAATACCAGACCCGTGGCGATTTCCACACT  
 GACTCTTCAGATGCCTCCTGTAGAAAACCTGTAGTGGATCCATGTGTGTGCGAGGCCGAATGAGCAGAGAA  
 GATATCCCCAGAAAAGGCCTCCCTGGGAAGTGGAAAGGGGCCAGACCAGGCCAGGCAGGAACCCACCAAAA  
 ACAGGAGAGTCAGCGCATATAAATGCAGGGCCAAAACCAACATGTCCCCATTCCAAAGGATAATCTT  
 AGAGAAAGACCAACGAAGTCAGCCTGTGACACTGGGAATTTGGCAGTTGTGAGCAAGTCTTCGAGAAGGG  
 TTAACCAAGAGAAAACCTGCTGTAAAGGAGACAGGATCCCAAGTGTCTCTCTTTCCAGAGGCAAAACA  
 GAACCATATGCTGAAGAATGTGGAACACATACAGGTTCCCTGATTGAGCAGCTAACTACAGAAAAATAC  
 GAGTGTATGGTATGCTGTGAGTTGGTTCAGGTCACAGCCCCGGTGTGGAGCTGTGAGAGCTGTTTCATG  
 TCTTTCACTGAACTGCATCAAGAAGTGGGCACGCTCTCCAGCATCGCATGCAGATGGCCAGGAGTGTG  
 GAGGTGCCCTGTGTGAGAATGTTTCTGCACATGTTCCCAATACCTATACTTGTCTGTGGCAAAGTA  
 AAGAATCCTGAATGGAGCAGAAATGAAATTCACATAGTTGTGGTGTGAGGTTTGTAGAAAAGAACAGCCTG  
 GCCAGGACTGTCCACATTCCTGTAACCTTCTCTGCCATCCTGGACCCTGCCACCCTGCCCTGCTTTTAC  
 AACTAAAACATGTGAATGTGGACGGACCAGGCACACGGTTCGCTGTGGTGTGAGCTGTCTCAGTCCACTGT  
 TCTAATGCATGTGAGAATATCTGAACTGTGGTGTGAGCAGCAGTGTGCTGAGCTGTGCCATGGGGTCAAT  
 GCCAGCCTGTGCGGATCATACTGAACCAGGTGTGCTACTGTGGCAGCACCTCCCAGATGTGTTGTGTGG  
 AACCGATGTGGAAAGTCTGATGGATTTGGGACTTCAGCTGTTAAAGATATGTGGCAAGGACTTGAAG  
 TGTGGGAGCCATACCTGTTCTCAGTTTGCACCCTCAGCCGTGTGAGCCTTGCCACGGCTCCCCATT  
 TGGTGCATACTGCCCTTGCAGCCAAACACCTCTCAGCCAGTTGCTGGAACATGGAAGTAATGCTCGGAA  
 AACATGCATGGATCCTGTCCCTTCTGTGAAAAGTGTGTGGCAACCTTGGCCTGTGGTTCTCAGAT  
 TTCATCCACACCTGTGAAAAGCTTTGCCATGAAGGAGACTGTGGGCCGTGCTCTCGCACATCAGTCATTT  
 CCTGCAGATGCTCCTCAGAACAAGGAACTTCCGTGTACCAGTCTTAAAGTGAAGATGTACATTTAT  
 GTGCGACAACCGGTGTAACAAGAACGATTGTGCGGACGGCATAAATGTAACGAGATCTGCTGTGTGGAC  
 AAGGAGACAAGTGTCTTTGATTTGTGGGAGGAACTCCGCTGTGGCCTTATCGGTGTGAAGAACCTT  
 GTCATCGAGGGAAGTGTGAGACCTGTGGCAAGCCAGCTTTGATGAATTAACCTGCCACTGTGGCGCCTC  
 TGTGATCTACCCACAGTTCCTGTGGGACTAGGCCTCCTGAGTGTACCCAAACCTGTGCCAGGATCCAT  
 GAATGTACCATCCAGTATATCATTCTTGTGATAGCGAGGAGAAGTGTCCCCCTGTACTTTCTAACTC  
 AGAAGTGGTGCATGGCAAGCATGAGGAGCTACAATTAGAAACTTTGGACTTTTAAAGAGACTTTGGA  
 CTTTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290448  
**Insert Size:** 2457 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u><a href="#">NM_001290448.1</a></u> , <u><a href="#">NP_001277377.1</a></u>
<b>RefSeq Size:</b>	4368 bp
<b>RefSeq ORF:</b>	2457 bp
<b>Locus ID:</b>	74164
<b>UniProt ID:</b>	<u><a href="#">B1AY10</a></u>
<b>Cytogenetics:</b>	4 20.72 cM
<b>Gene Summary:</b>	<p>Binds to the X-box motif of MHC class II genes and represses their expression. May play an important role in regulating the duration of an inflammatory response by limiting the period in which MHC class II molecules are induced by interferon-gamma. Together with PABPC1 or PABPC4, acts as a coactivator for TERT expression. Mediates E2-dependent ubiquitination. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks several exons in the 3' region and uses an alternate 3' exon structure, compared to variant 1. It encodes isoform 2, which is shorter and has a distinct C-terminus, compared to isoform 1.</p>