

## Product datasheet for **MC220838**

### **Nfx1 (BC053709) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Nfx1 (BC053709) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfx1
Synonyms:	NFX.1, TEG-42
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC053709  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGGAGGCGCCTCCGGTCTCAGGCACTTTAAATTCATACAGATGCTGCTGAGTTCATTCCTCAGG  
 AGAGAAAACTTCTGGTCTAAATTGTGGGACCCAAAGAAGACTAGATTCTAGTAGGATTGGCAGAAGAAA  
 TTATAGTTCCTCGCCTCCTGTACACCTTCTAGACACATCCCTTATGAAGACATCTCTGCTGTTTCATCAG  
 CACAGTTATGCCTCTGGAAGCAAACCTAAGAGTCCCCAGGGTTTTTCCAGTCATCTAATAAATCACTCA  
 AGAACCATGGCCTTCAGAATCAGCCATGGCAGAAAGCAAGGAATGAAAAGCACAAAACAGAAAACAGAA  
 AGCACAAGGGCTCTCTGAGCAGACGTGAGATACATCTAGTTTAGAAAGTGTAGCCAGGTCAGAGAGTGGA  
 ACAAAACCCGAGAGACACAGCCCTCCGAGAGTGAGAAGGAGGTGGTTATCGCAGATCCCAGGGGAGCGA  
 AACCCAAAAAGCAGCACAGCTTACATACTAATGTCAGAGGACCAAAGGCCAAAGGGAGACTCAGAAG  
 CGAGTGGGGTAAAGAATGAGCCCAAAGTCTGAGGACGAAAATACCAGACCCGTGGCGATTTCCACACT  
 GACTCTTCAGATGCCTCCTGTAGAAAACCTGTAGTGGATCCATGTGTGTGTCAGGCCGAATGAGCAGAGAA  
 GATATCCCCAGAAAAGGCCTCCCTGGGAAGTAGAAGGGGCCAGACCAGGCCAGGCAGGAACCCACCAAAA  
 ACAGGAGAGTCAGCGCATATAAATGCAGGGCCAAAACCAACATGCCCCCATTCCAAAGGATAATCTT  
 AGAGAAAGACCAACGAAGTCAGCCTGTGACACTGGGAATTTGGCAGTTGTGAGCAAGTCTTCGAGAAGGG  
 TTAACCAAGAGAAAACCTGCTGTAAAGGAGACAGGATCCCAAGTGTCTCTCTTTCCAGAGGCAAAACA  
 GAACCATATGCTGAAGAATGTGGAACACATACAGTTCCCTGATTGAGCAGCTAACTACAGAAAAATAC  
 GAGTGTATGGTATGCTGTGAGTTGGTTCAGGTCACAGCCCCGGTGTGGAGCTGTGAGAGCTGTTTTCATG  
 TCTTTCTGAACCTGCATCAAGAAGTGGGCACGCTCTCCAGCATCGCATGCAGATGGCCAGAGTGGTTG  
 GAGGTGCCCTGCTTGTGAGAATGTTTCTGCACATGTTCCCAATACCTATACTTGTTCGTGGCAAAGTA  
 AAGAATCCTGAATGGAGCAGAAATGAAATTCACATAGTTGTGGTGGAGTTTGTAGAAAAGAACAGCCTG  
 GCCAGGACTGTCCACATTCCTGTAACCTTCTCTGCCATCCTGGACCCTGCCACCCTGCCCTGCTTTTAC  
 AACTAAAACATGTGAATGTGGACGGACCAGGCACACGGTTCGCTGTGGTCAAGCTGTCTCAGTCCACTGT  
 TCTAATGCATGTGAGAATATCTGAACTGTGGTCAAGCACCCTGTGCTGAGCTGTGCCATGGGGTCAAT  
 GCCAGCCTTGTGGATCATACTGAACCAGGTGTGCTACTGTGGCAGCACCTCCCAGATGTGTTGTGGG  
 AACCGATGTGGAAAGTCTGATGGATTTGGGACTTCAGCTGTTAAAGATATGTGGCAAGGACTTGAAG  
 TGTGGGAGCCATACCTGTTCTCAAGTTTGGCCACCTCAGCCGTGTGAGCCTTGGCCACGGCTCCCCATT  
 TGGTGGGATACTGCCCTCGCGGCCAAACACCTCTCAGCCAGTTGCTGGAACATGGAAGTAATGCTCGGAA  
 AACATGCATGGATCCTGTCCCTTCTGTGAAAAGTGTGTGGCAAACCTTGGCCTGTGGTTCTCAGAT  
 TTCATCCACACCTGTGAAAAGCTTTGCCATGAAGGAGACTGTGGGCCGTGCTCTCGCACATCAGTCATTT  
 CCTGCAGATGCTCCTCAGAACAAGGAACTTCCGTGTACCAGTCTTAAAGTGAAGATGTACATTTAT  
 GTGCGACAAACGGTGTAAACAAGAACGATTGTGCGGACGGCATAAATGTAACGAGATCTGCTGTGTGGAC  
 AAGGAGACAAGTGTCTTTGATTTGTGGGAGGAACTCCGCTGTGGCCTTCATCGGTGTGAAGAACCTT  
 GTCATCGAGGAACTGTGAGACCTGTGGCAAGCCAGCTTTGATGAATTAACCTGCCACTGTGGCGCCTC  
 TGTGATCTACCCACAGTTCCTGTGGACTAGGCCTCCTGAGTGTACCCAAACCTGTGCCAGGATCCAT  
 GAATGTACCATCCAGTATATCATTCTTGTGCATAGCGAGGAGAAGTGTCCCCCTTGACTTTCCTAACTC  
 AGAAGTGGTGCATGGCAAGCATGAGAGACAATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** BC053709  
**Insert Size:** 2415 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>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>RefSeq:</b>	<a href="#">BC053709</a> , <a href="#">AAH53709</a>
<b>RefSeq Size:</b>	3534 bp
<b>RefSeq ORF:</b>	2414 bp
<b>Locus ID:</b>	74164
<b>Cytogenetics:</b>	4 20.72 cM
<b>Gene Summary:</b>	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]