

Product datasheet for MC223619

Nfx1 (NM_023739) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfx1 (NM_023739) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nfx1
Synonyms:	1300017N15Rik; 3000003M19Rik; NFX.1; TEG-42; Tex42
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223619 representing NM_023739 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGGCGCCTCCGGTCTCAGGCACTTTTAAATTCAATACAGATGCTGCTGAGTTCATTCTCAGG
AGAGAAAACTTCTGGTCTAAATTTGTGGGACCCAAAGAAGACTAGATTCTAGTAGGATTGCCAGAAGAAA
TTATAGTTCCTCGCTCCCTGTACCTTCTAGACACATCCCTTATGAAGACATCTCTGCTGTTTCATCAG
CACAGTTATGCCTCTGGAAGCAAACCTAAGAGTCCCAGGGTTTTTCCAGTCATCTAATAAATCACTCA
AGAACCATGGCCTTCAGAAATCAGCCATGGCAGAAAGCAAGGAATGAAAAGCACAAAAACAGAAAACAGAA
AGCACAAGGGCTCTCTGAGCAGACGTCAGATACATCTAGTTTAGAAAAGTGTAGCCAGGTCAGAGAGTGGA
ACAAACCCGAGAGAGCACAGCCCTCCGAGAGTGAGAAGGAGGTGGTTATCGCAGATCCCAGGGGAGCGA
AACCAAAAAAGCAGCACAGCTTACATACAACTATGGCAGAGGACCAAAGGCCAAAGGGAGACTCAGAAG
CGAGTGGGGTAATAGAATGAGCCCAAAGTCTGAGGACGAAAATACCAGACCCGTGGCGATTTCCACACT
GACTCTTCAGATGCCTCCTGTAGAAAACCTGTAGTGGATCCATGTGTGTGCAGGCCGAATGAGCAGAGAA
GATATCCCCAGAAAAGGCTCCCTGGGAAGTGGAAAGGGCCAGACCAGGCCAGGCAAGCAACCCACCAAA
ACAGGAGAGTCAGCGGCATATAAATGCAGGGCCCAAACCAACATGTCCCCATTCCAAAGGATAATCTT
AGAGAAAGACCAACGAAGTCAGCCTGTGACACTGGGAATTTGGCAGTTGTGAGCAAGTCTTCGAGAAGGG
TTAACCAAGAGAAAACGCTGTAAGGAGACAGGATCCCCAAGTGTATCTCCTTTTCCCAGAGGCAAACA
GAACCATATGCTGAAGAATGTGGAAACACATACAGGTTCCCTGATTGAGCAGCTAACTACAGAAAAATAC
GAGTGTATGGTATGCTGTGAGTTGGTTCAGGTCACAGCCCCGGTGTGGAGCTGTCAGAGCTGTTTTCATG
TCTTTTCATCTGAACTGCATCAAGAAGTGGGCACGCTCTCCAGCATCGCATGCAGATGGCCAGAGTGGTTG
GAGGTGCCCTGCTTGTGAGAATGTTTCTGCACATGTTCCCAATACCTATACTTGTCTGTGGCAAAGTA
AAGAATCTGAATGGAGCAGAAATGAAATCCACATAGTTGTGGTGGGTTTGTAGAAAGAAACAGCCTG
GCCAGGACTGTCCACATTCTGTAACTTCTCTGCCATCCTGGACCCTGCCACCCTGCCCTGCTTTTAC
AACTAAAACATGTGAATGTGGACGGACCAGGCACAGGTTGCTGTGGTGCAGCCTGTCTCAGTCCACTGT
TCTAATGCATGTGAGAATATCTTGAAGTGTGGTGCAGCACCCTGTGCTGAGCTGTGCCATGGGGTCAAT



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GCCAGCCTTGTCGGATCATACTGAACCAGGTGTGCTACTGTGGCAGCACCTCCCAGATGTGTTGTGTGG
 AACCGATGTGGGAAAGTCTGATGGATTTGGGGACTTCAGCTGTTTAAAGATATGTGGCAAGGACTTGAAG
 TGTGGGAGCCATACCTGTTCTCAGGTTTCCACCCTCAGCCGTGTGAGCCTTGCCACGGCTCCCCATT
 TGGTGGGATACTGCCCTTGGCGCAAACACCTCTCAGCCAGTTGCTGGAACATGGAAGTAATGCTCGGAA
 AACATGCATGGATCCTGTCCCTTCTGTGAAAAGTGTGTGGCAAACCTTGGCCTGTGGTTCCTCAGAT
 TTCATCCACACCTGTGAAAAGCTTTGCCATGAAGGAGACTGTGGCCGTGCTCTCGCACATCAGTCATTT
 CCTGCAGATGCTCCTTCCAGAACAAGAACTTCCGTGTACCAGTCTTAAAAGTGAAGATGCTACATTTAT
 GTGCGACAACCGGTGTAACAAGAAACGATTGTGCGGACGGCATAAATGTAAACGAGATCTGCTGTGTGGAC
 AAGGAGCACAAGTGTCCTTTGATTTGTGGGAGGAACTCCGCTGTGGCCTTCATCGGTGTGAAGAACCTT
 GTCATCGAGGAACTGTGAGACCTGCTGGCAAGCCAGCTTTGATGAATTAACCTGCCACTGTGGCGCCTC
 TGTGATCTACCCACCAGTTCCTGTGGGACTAGGCCTCCTGAGTGTACCCAAACCTGTGCCAGGATCCAT
 GAATGTGACCATCCAGTATATCATTCTTGTGATAGCGAGGAGAAGTGTCCCTTGTACTTTCTAACTC
 AGAAGTGGTGCATGGCAAGCATGAGTTACGAAGCAACATCCCCTGTACCTGGTTGATATCTCTTGCGG
 ATTACCCTGCAGTGCCATGCTACCCTGTGGGATGCACAAATGTCAAAGACTTTGCACAAAGGAGAATGT
 CTTGTGGATGAGGCTGCAAGCAGCCCTGTACCACCCAGAGGTGACTGTGGCCACCCATGATGGCAC
 CCTGCCACCCAGTTACCCTGCCCTGTGACAGCTTGTAAAGCCAAGGTAGAGTTACAGTGTGAATGTGG
 AAGAAGAAAGGAGATGGTGATTTGCTCTGAAGCATCGGGGACTTATCAAAGAATAGTTGCTATTTCTATG
 GCCTCTAAAATAACGGACATGCAGCTTGGAGACTCAGTGGAGATCAGCAAGCTCATTACCAAGAAGGAAG
 TCCAACAAGCCAGGTTGCAGTGTGATGAGGAGTGTGCTGCCCTGGAAAGGAGAAAGAGACTGGCAGAGGC
 CTTGACATCACTGACGATTCTGATCCTTTCAATGTACGCTCTTCCAGCATCGAAATTCAGTGACAGTTTG
 AAAGACGATGCCAGGAAAGACTTAAAGTTTGTGACGACGTTGAGAAGGAAATGGAACGCTCGTGGAGG
 CCGTGAATAAGGGCAAGAATAACAAGAAAAGCCACTGCTTCCCCCATGAACAGAGACCACCGCCGAAT
 CATCCATGACCTGGCCAGGTTTATGGCCTGGAGAGCATAAAGTATGACAGCGAACCAAGCGCAATGTC
 GTGGTCACTGCCGTGAGGGAAGTCTGTTTGTCTCCTACCACGCTGACCAAGTGTGATTGAAAGGGAGA
 CACAGACAGGCCGCCACCACCAATTCCTCATCCGACACCAGGCAGACAAGGCTCCCGGAGCAGTAC
 TTTACAGAAGATAGTGAAGGAGGCCGTGATTGACTACTTTGATGTCCAGGATTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_023739
- Insert Size:** 3345 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).
- 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_023739.3](#), [NP_076228.2](#)

RefSeq Size: 4556 bp

RefSeq ORF: 3345 bp

Locus ID: 74164

UniProt ID: [B1AY10](#)

Cytogenetics: 4 20.72 cM

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).