

Product datasheet for **MC228973**

Nfx1 (NM_001290449) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfx1 (NM_001290449) 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



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Fully Sequenced ORF: >MC228973 representing NM_001290449
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGAGGCGCCTCCGGTCTCAGGCACTTTTAAATTCATACAGATGCTGCTGAGTTCATTCCTCAGG
 AGAGAAAACTTCTGGTCTAAATTGTGGGACCCAAAGAAGACTAGATTCTAGTAGGATTGGCAGAAGAAA
 TTATAGTTCCTCGCCTCCTGTACCTTCTAGACACATCCCTTATGAAGACATCTCTGCTGTTTCATCAG
 CACAGTTATGCCTCTGGAAGCAAACCTAAGAGTCCCCAGGGTTTTTCCAGTCATCTAATAAATCACTCA
 AGAACCATGGCCTTCAGAATCAGCCATGGCAGAAAGCAAGGAATGAAAAGCACAAAACAGAAAACAGAA
 AGCACAAAGGGCTCTCTGAGCAGACGTGAGATACATCTAGTTTAGAAAGTGTAGCCAGGTCAGAGAGTGA
 ACAAAACCCGAGAGACACAGCCCTCCGAGAGTGAGAAGGAGGTGGTTATCGCAGATCCCAGGGGAGCGA
 AACCCAAAAAGCAGCACAGCTTACATACTAATGTCAGAGGACCAAAGGCCAAAGGGAGACTCAGAAG
 CGAGTGGGGTAAAGAATGAGCCCAAAGTCTGAGGACGAAAATACCAGACCCGTGGCGATTTCCACACT
 GACTCTTCAGATGCCTCCTGTAGAAAACCTGTAGTGGATCCATGTGTGTGCGAGGCCGAATGAGCAGAGAA
 GATATCCCCAGAAAAGGCCTCCCTGGGAAGTGGAAAGGGGCCAGACCAGGCCAGGCAGGAACCCACCAAAA
 ACAGGAGAGTCAAGGCATATAAATGCAGGGCCAAAACCAACATGTCCCCATTCCAAAGGATAATCTT
 AGAGAAAGACCAACGAAGTCAAGCTGTGACACTGGGAATTTGGCAGTTGTGAGCAAGTCTTCGAGAAGGG
 TTAACCAAGAGAAAACCTGCTGTAAAGGAGACAGGATCCCAAGTGTCTCTCTTTCCAGAGGCAAAACA
 GAACCATATGCTGAAGAATGTGGAACACATACAGGTTCCCTGATTGAGCAGCTAACTACAGAAAAATAC
 GAGTGTATGGTATGCTGTGAGTTGGTTCAGGTCACAGCCCCGGTGTGGAGCTGTGAGAGCTGTTTTCATG
 TCTTTCTGAACCTGCATCAAGAAGTGGGCACGCTCTCCAGCATCGCATGCAGATGGCCAGAGTGGTTG
 GAGGTGCCCTGCTTGTGAGAATGTTTCTGCACATGTTCCCAATACCTATACTTGTCTGTGGCAAAGTA
 AAGAATCCTGAATGGAGCAGAAATGAAATTCACATAGTTGTGGTGGAGTTTGTAGAAAAGAACAGCCTG
 GCCAGGACTGTCCACATTCCTGTAACCTTCTCTGCCATCCTGGACCCTGCCACCCTGCCCTGCTTTTAC
 AACTAAAACATGTGAATGTGGACGGACCAGGCACACGGTTCGCTGTGGTCAAGCTGTCTCAGTCCACTGT
 TCTAATGCATGTGAGAATATCTGAACTGTGGTCAAGCACCCTGTGCTGAGCTGTGCCATGGGGTCAAT
 GCCAGCCTTGTGGATCATACTGAACCAGGTGTGCTACTGTGGCAGCACCTCCCAGATGTGTTGTGGG
 AACCGATGTGGAAAGTCTGATGGATTTGGGACTTCAGCTGTTAAAGATATGTGGCAAGGACTTGAAG
 TGTGGGAGCCATACCTGTTCTCAGTTTGCACCCTCAGCCGTGTGAGCCTTGCCACGGCTCCCCATT
 TGGTGGGATACTGCCCTTGCAGCCAAACACCTCTCAGCCAGTTGCTGGAACATGGAAGTAATGCTCGGAA
 AACATGCATGGATCCTGTCCCTTCTGTGAAAAGTGTGTGGCAAACCTTGGCCTGTGGTTCTCAGAT
 TTCATCCACACCTGTGAAAAGCTTTGCCATGAAGGAGACTGTGGGCCGTGCTCTCGCACATCAGTCATT
 CCTGCAGATGCTCCTCAGAACAAGGAACTTCCGTGTACCAGTCTTAAAGTGAAGATGCTACATTTAT
 GTGCGACAAACGGTGTAAACAAGAACGATTGTGCGGACGGCATAAATGTAACGAGATCTGCTGTGTGGAC
 AAGGAGACAAGTGTCTTTGATTTGTGGGAGGAACTCCGCTGTGGCCTTCATCGGTGTGAAGAACCTT
 GTCATCGAGGAACTGTGAGACCTGTGGCAAGCCAGCTTTGATGAATTAACCTGCCACTGTGGCGCCTC
 TGTGATCTACCCACAGTTCCTGTGGACTAGGCCTCCTGAGTGTACCCAAACCTGTGCCAGGATCCAT
 GAATGTACCATCCAGTATATCATTCTTGTGATAGCGAGGAGAAGTGTCCCCCTTGACTTTCCTAACTC
 AGAAGTGGTGCATGGCAAGCATGAGAGACA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001290449
Insert Size: 2415 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:	<u>NM_001290449.1</u> , <u>NP_001277378.1</u>
RefSeq Size:	4899 bp
RefSeq ORF:	2415 bp
Locus ID:	74164
UniProt ID:	<u>B1AY10</u>
Cytogenetics:	4 20.72 cM
Gene Summary:	<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 (3) lacks several exons in the 3' region and uses an alternate 3' exon structure, compared to variant 1. It encodes isoform 3, which is shorter and has a distinct C-terminus, compared to isoform 1.</p>