

Product datasheet for **SC315084**

NFX1 (NM_147133) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NFX1 (NM_147133) Human Untagged Clone
Tag: Tag Free
Symbol: NFX1
Synonyms: NFX2; TEG-42; Tex42
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_147133, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAGGCGCCTCCTGTCTCAGGTACTTTTAAATTCATACAGATGCTGCTGAATTC
ATTCTCAGGAGAAAAAATTCTGGTCTAAATTTGTTGGGACTCAAAGGAGACTAGACTCT
AATAGGATTGGTAGAAGAAATTACAGTTACCACCTCCCTGTCACCTTTCCAGGCAGGTC
CCTTATGATGAAATCTCTGCTGTTTCATCAGCATAGTTATCATCCGTCAGGAAGCAAACCT
AAGAGTCAGCAGACGCTTTCCAGTCTCTCCTTGTAAATAAATCGCCCAAGGCCATGGC
CTTCAGAAATCAACCTTGGCAGAAATTGAGGAATGAGAAGCACCATATCAGAGTCAAGAAA
GCACAGAGTCTTGCTGAGCAGACCTCAGATACAGCTGGATTAGAGAGCTCGACCAGATCA
GAGAGTGGGACAGACCTCAGAGAGCATAGTCTTCTGAGAGTGAGAAGGAAGTTGTGGGT
GCAGATCCAGGGGAGCAAAACCCAAAAAGCAACACAGTTTGTATACAGCTATGGTAGA
GGACAAAAGTCAAGGGGAAACTCAAATGTGAATGGAGTAACCGAACTCCAAAACCG
GAGGATGCTGGACCCGAAAGTACCAAACCTGTGGGGGTTTTCCACCCTGACTCTTCAGAG
GCATCCTCTAGAAAAGGAGTATTGGATGGGTATGGAGCCAGACGAAATGAGCAGAGAAGA
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ATTCCAAAGGATGACCTCAATGAAAGACCAGCAAATCTACCTGTGACAGTGAGAACTTG
GCAGTCATCAACAAGTCTTCCAGGAGGGTTGACCAAGAGAAATGCACTGTACGGAGGCAG
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TGCTGTGAATTGGTTCGTGTCACGGCCCCAGTGTGGAGTTGTCAGAGCTGTTACCATGTG
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AGTGGTTGGAGGTGCCCTGCCTGTCAGAATGTTTCTGCACATGTTCTAATACCTACACT
TGTTTCTGTGGCAAGGTAAGAATCCTGAGTGGAGCAGAAATGAAATCCACATAGCTGT
GGTGAGGTTTGTAGAAAGAAACAGCCTGGCCAGGACTGCCACATTCCTGTAACCTTCTC
TGCCATCCAGGACCTGCCACCCTGCCCTGCCTTTATGACAAAAACATGTGAATGTGGA
CGAACCCAGGCACACAGTTCGCTGTGGTCAAGGCTGTCTCAGTCCACTGTTCTAACCCATGT
GAGAATATTTGAACTGTGGTCAGCACCAGTGTGCTGAGCTGTGCCATGGGGGTCAAGTGC
CAGCCTTGCCAGATCATTTTGAACCAGGTATGCTATTGCGGCAGCACCTCCCGAGATGTG
TTATGTGGAACCGATGTAGGAAAGTCTGATGGATTTGGGGATTTCAAGCTGTTAAAGATA
TGTGGCAAGGACTTGAATGCGGTAACCATACATGTTCCGAAGTGTGCCACCCTCAGCCC

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TGCCAGCAATGCCACGGCTCCCCAGCTGGTGCCTGTTGCCCTGTGGCCAACTCCT
CTCAGCCAATTGCTAGAAGTGGAAAGTAGTAGTCGGAAAACATGCATGGACCCTGTGCCT
TCATGTGGAAAAGTGTGCGGCAAGCCTCTGCCTTGTGGTTCCTTAGATTCATTACATACC
TGTGAAAAGCTCTGCCATGAAGGAGACTGTGGACCATGCTCTCGCACATCAGTTATTTCC
TGCAGATGCTCTTTCAGAACAAAGGAGCTTCCATGTACCAGTCTCAAAGTGAAGATGCT
ACATTTATGTGTGACAAGCGGTGTAACAAGAAACGGTTGTGTGGACGGCATAAATGTAAT
GAGATATGCTGTGTGGATAAGGAGCACAAAGTGCCTTTGATTTGTGGGAGGAAACTCCGT
TGTGGCCTTCATAGGTGTGAAGAACCTTGCATCGTGGAAACTGCCAGACATGCTGGCAA
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AAGTGGTGCATGGGCAAGCATGAGTTTCGGAGCAACATCCCCTGTACCTGGTTGATATC
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GCTGACTGTGGTACCCGTGTATGGCACCTGCCATACCAGCTCACCTGCCCTGTGACT
GCTTGTAAAGCTAAGGTAGAGCTACAGTGTGAATGTGGACGAAGAAAAGAGATGGTGATT
TGCTCTGAAGCATCTAGTACTTATCAAAGAATAGCTGCAATCTCCATGGCCTCTAAGATA
ACAGACATGCAGCTTGGAGGTTTCAGTGGAGATCAGCAAGTTAATTACAAAAAGGAAGTT
CATCAAGCCAGGCTGGAGTGTGATGAGGAGTGTTCAGCCTTGGAAAGGAAAAAGAGATTA
GCAGAGGCATTTTCATATCAGTGAGGATTCTGATCCTTTCAATATACGTTCTTCAGGGTCA
AAATTCAGTGATAGTTTGAAGAAGATGCCAGGAAGGACTTAAAGTTTGTGAGTACGTT
GAGAAGGAAATGGAAACCCTCGTGGAGCCGTGAATAAGGTTGAAGTCGAAACATCCCAC
TGGACATTTCTC
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- Restriction Sites:** Please inquire
- ACCN:** NM_147133
- 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_147133.1](#), [NP_667344.1](#)
- RefSeq Size:** 3200 bp
- RefSeq ORF:** 3075 bp

Locus ID:	4799
Cytogenetics:	9p13.3
Domains:	zf-NF-X1
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>MHC class II gene expression is controlled primarily at the transcriptional level by transcription factors that bind to the X and Y boxes, two highly conserved elements in the proximal promoter of MHC class II genes. The protein encoded by this gene is a transcriptional repressor capable of binding to the conserved X box motif of HLA-DRA and other MHC class II genes in vitro. The protein may play a role in regulating the duration of an inflammatory response by limiting the period in which class II MHC molecules are induced by IFN-gamma. Three alternative splice variants, each of which encodes a different isoform, have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks three 3' terminal exons compared to variant 1 and encodes a shorter isoform (2) with a unique C-terminus.</p>