

Product datasheet for SC314793

NFX1 (NM_147134) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NFX1 (NM_147134) Human Untagged Clone
Tag: Tag Free
Symbol: NFX1
Synonyms: NFX2; TEG-42; Tex42
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_147134 edited
GGGGCACGTGACCTGGTGACAGTGGCTGGCTGTACAGCTCGATCTAGGTTCTGCGG
CACGGGATGGCGGAGGCCCTCCTGTCTCAGGACTTTTTAAATCAATACAGATGCTGT
GAATTCATTCCTCAGGAGAAAAAATTCTGGTCTAAATTGTGGGACTCAAAGGAGACTA
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CAGGTCCTTATGATGAAATCTCTGCTGTTTCATCAGCATAGTTATCATCCGTCAGGAAGC
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CATGTGTTTCATTTGAACTGCATAAAGAAATGGGCAAGGTCTCCAGCATCTCAAGCAGAT
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CTTCTCTGCCATCCAGGACCCTGCCACCCTGCCCTGCCTTTATGACAAAAACATGTGAA
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AGCTACTTTACTTGGGAGGCTGAGGCAGGAGAATTGCTTGAACCTCGGAGGCGGATGTTG
CAGTGAGCCAATATCGCACCACTGCACTCCAGCCTGGGCAACAGAGCAAGACTCCGTCTC
GAAAAAAAAAAAA

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- Restriction Sites:** NotI-NotI
- ACCN:** NM_147134
- Insert Size:** 3200 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:** This clone was fully sequenced and it matches with NM_147134.1.
- 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_147134.1](#), [NP_667345.1](#)

RefSeq Size: 3548 bp

RefSeq ORF: 2502 bp

Locus ID: 4799

UniProt ID: [Q12986](#)

Cytogenetics: 9p13.3

Protein Families: Druggable Genome, Transcription Factors

Gene Summary: 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]

Transcript Variant: This variant (3) utilizes an alternate 3' terminal exon compared to variant 1 and encodes the shortest isoform (3), with a unique C-terminus.