

Product datasheet for SC320406

NFX1 (NM_002504) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NFX1 (NM_002504) Human Untagged Clone
Tag:	Tag Free
Symbol:	NFX1
Synonyms:	NFX2; TEG-42; Tex42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002504.3
GCTCGATCTAGGTTCTGCGGCACGGGATGGCGGAGGCGCCTCCTGTCTCAGGTACTTTTA
AATTCAATACAGATGCTGCTGAATTCATTCCTCAGGAGAAAAAATTCTGGTCTAAATT
GTGGGACTCAAAGGAGACTAGACTCTAATAGGATTGGTAGAAGAAATTACAGTTCACCAC
CTCCCTGTCCACCTTTCCAGGCAGGTCCTTATGATGAAATCTCTGCTGTTTCATCAGCATA
GTTATCATCCGTCAGGAAGCAAACCTAAGAGTCAGCAGACGTCCTTCCAGTCCTCTCCTT
GTAATAAATCGCCAAGAGCCATGGCCTTCAGAATCAACCTTGGCAGAAATTGAGGAATG
AGAAGCACCATATCAGAGTCAAGAAAGCACAGAGTCTTGCTGAGCAGACCTCAGATACAG
CTGGATTAGAGAGCTCGACCAGATCAGAGAGTGGGACAGACCTCAGAGAGCATAGTCCTT
CTGAGAGTGAGAAGGAAGTTGTGGTGCAGATCCAGGGGAGCAAACCCAAAAAAGCAA
CACAGTTTGTATACAGCTATGGTAGAGGACAAAAGTCAAGGGGAACTCAAATGTGAAT
GGAGTAACCGAACAACCTCCAAAACCGGAGGATGCTGGACCCGAAAGTACCAAACCTGTGG
GGGTTTTCCACCTGACTCTTACAGGGCATCCTCTAGAAAAGGAGTATTGGATGGGTATG
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CAGGACACAGAAACAACATGGGCCCATTCAAAGGATGACCTCAATGAAAGACCAGCAA
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AAGAGAAATGCACTGTACGGAGGCAGGATCCTCAAGTAGTATCTCCTTTCTCCGAGGCA
AACAGAACCATGTGCTAAAGAATGTGGAACGCACACAGGTTCTCTAATTGAACAACATAA
CAACAGAAAAATACGAGTGCATGGTGTGCTGTGAATTGGTTCGTGTACCGGCCCCAGTGT
GGAGTTGTGAGAGCTGTTACCATGTGTTTCATTTGAACTGCATAAAGAAATGGGCAAGGT
CTCCAGCATCTCAAGCAGATGGCCAGAGTGGTTGGAGGTGCCCTGCCTGTGAGAATGTTT
CTGCACATGTTTCTAATACCTACACTTGTCTGTGGCAAGGTAAGAATCCTGAGTGGAA
GCAGAAATGAAATTCACATAGCTGTGGTGGGTTGTAGAAAGAAACAGCCTGGCCAGG
ACTGCCACATTCTGTAACCTTCTCTGCCATCCAGGACCCTGCCACCCTGCCCTGCCT
TTATGACAAAAACATGTGAATGTGGACGAACCAGGCACACAGTTCGCTGTGGTCAGGCTG
TCTCAGTCCACTGTTCTAACCCATGTGAGAATATTTTGAAGTGTGGTCAGCACCAGTGTG



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CTGAGCTGTGCCATGGGGTTCAGTGCCAGCCTTGCCAGATCATTGTAACCAGGTATGCT
 ATTGCGGCAGCACCTCCCAGATGTGTTATGTGGAACCGATGTAGGAAAGTCTGATGGAT
 TTGGGGATTTTCAGCTGTTTAAAGATATGTGGCAAGGACTTGAAATGCGGTAACCATACAT
 GTTCGCAAGTGTGCCACCTCAGCCCTGCCAGCAATGCCACGGCTCCCCAGCTGGTGC
 GCTGTTGCCCTGTGGCCAACTCCTCTCAGCCAATTGCTAGAACTTGAAGTAGTAGTC
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 GTGGTTCCTTAGATTTTCATTACCTGTGAAAAAGCTTGCCATGAAGGAGACTGTGGAC
 CATGCTCTCGCACATCAGTTATTTCTGACAGATGCTCTTTCAGAACAAAGGAGCTCCAT
 GTACCAGTCTCAAAAGTGAAGATGCTACATTTATGTGTGACAAGCGGTGTAACAAGAAAC
 GGTTGTGTGGACGGCATAAATGTAATGAGATATGCTGTGTGGATAAGGAGCACAAGTGTG
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 GCGCTAGAGTCCATGAGTGTGACCATCCAGTATATCATTCTTGCATAGTGAGGAGAAGT
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 CTGCAATCTCCATGGCCTCTAAGATAACAGACATGCAGCTTGGAGTTTCAAGTGGAGATCA
 GCAAGTTAATTACAAAAAGGAAGTTCATCAAGCCAGGCTGGAGTGTGATGAGGAGTGT
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 AGGACTTAAAGTTTGTGAGTGTGAGAAAGAAATGGAACCCCTCGTGGAGGCGGTGA
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 GCAGAATCACAGTCTCACATACTGTCTTGTACTGACACATCCAAAGCATGAGTGTGTCAG
 AAATCCCTTGTCTATTCCTGTCTGTATAAAGTGTTCATTATGACCAGATCTCTGATTGT
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 CCTGAAACATCAGACAGACATTTGCTTTACCCAACTGATCAAAATCTTTAGGAGCA
 CAAATGAATTTTTAGTCTGAAATACCAAATAATGAATTGGTATACCATATCCGGATCA
 CACATGTTATCTTAAACCCAGCCATCATACCTAAGTCTTTTGCACAAACCTCTCATAGGT
 ATATCTAGCTGAACTATTTTGGCATTTCATGTGATCAGTTCTAGACCTAGAAGGGGG
 TCAGGCTGCTTACAGAATTCTATTTCCCTAAGTCCCTGGCACTTCTCATACCACATCAC
 TGAACCTGTTTCAGTAACAATCAGTTTGGCCGTCCCCATGATGGTAGGAAATATAGAGAG
 CAAGTCTTCTGCCAGGTCACACTGTGGTCTCTGAACTGACCAGTATATCCCTAACTCC
 TCTTTGATAGAGAAAGAGTCTCAAATGGACAACTGCTCTGTGTTGCTTTCCCTAGGCCTT
 CAGCAGCCTATTGGCTCTCCCTGCCTCTGAGCTCTGGACTCTGTTTGAATATTCCAAGTA
 GTATATGGACAGTCCAGGCTTATGCCAGCAGCCACTGGAGGCACTTCTCAGGCTCCT
 TTAAGGCAGGTGATTGATAGTTCCATTAGTGTGACCCTTGCAATTGGCACCCCTCCAGCC
 TGGAGGCCAGGCTTCCAGCAACTCCTTCTGCCCTAGAGCAAGCCATGAGCCCCAGAGCA
 GTAGCAGGAGACTTGAGAAGTAGAGTGACAAAAACAAGCACTTAATTAATTAATAAAATT
 TAACCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_002504
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:	<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:	NM_002504.3 , NP_002495.2
RefSeq Size:	4629 bp
RefSeq ORF:	3363 bp
Locus ID:	4799
UniProt ID:	Q12986
Cytogenetics:	9p13.3
Domains:	zf-NF-X1, R3H
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 (1) encodes isoform 1.</p>