

## Product datasheet for SC118628

### 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
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC118628 sequence for NM_002504 edited (data generated by NextGen Sequencing)

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ATGGCGGAGGCGCCTCCTGTCTCAGGACTTTTAAATTCAATACAGATGCTGCTGAATTC
ATTCTCAGGAGAAAAAATTCTGGTCTAAATTGTGGGACTCAAAGGAGACTAGACTCT
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 AGCAGTAATTTACAGAAAATAACCAAGGAACCAATAATTGACTATTTTGACGTCCAGGAC  
 TAA

Clone variation with respect to NM\_002504.4  
 3330 g=>a

#### 5' Read Nucleotide Sequence:

>OriGene 5' read for NM\_002504 unedited  
 TTTGTAATACGACTCACTATAGGGCGCCGCAATTCGGCACGAGGGGATGGCGGAGGCC  
 CCTCCTGTCTCAGGTACTTTTAAATTCAATACAGATGCTGCTGAATTCATTCCTCAGGAG  
 AAAAAAATTCTGGTCTAAATTGTGGGACTCAAAGGAGACTAGACTCTAATAGGATTGGT  
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 ACGTCTTTCAGTCTCCTTGTAAATAATCGCCCAAGGCCATGGCCTTCAGAATCAA  
 CCTTGGCAGAAATTGAGGAATGAGAAGCACCATATCAGAGTCAAGAAAGCACAGAGTCTT  
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 CCCGAAAGTACCAACCTGTGGGGTTNTCCACCCTGACTCTTACAGAGCATCCTCTAAAA  
 AGGAGTATTGGATGGGTATGGAGCCAGACGAAATGAGCAGAGAAGATACCACAGANAGG  
 GCTCCCCTGGAGTGGAGGGGGCCAGCCACCGACAGGCAGAAATCCACCAACAGGAGGC  
 CACCGACATACAACCGCAGACACAGAACACATGGGCCATTCCAAAGATGACCTCAATGA  
 AGACCCCAATCTACTGTGACAGGAGACTGGCAGCATC

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_002504 unedited NNNNGGGGGGNNNNNNNCCCCCNANTTTACTTGGACCGCGCCGAATCTANATCG AGTTAAAGGTAATTTTATAATTTAA TTAAGTGCTTGTTTTGTCACTACTTCTCAAGTCTCCTGCTACTGCTCTGGGGCTCAT GGCTTGCTCTAGGGCAAAGGAAGTTGCTGGAAGCCTGGCCTCCAGGCTGGAGGGTGCC AATGCAAGGGTCACACTAATGGAATCAATGCACCTGCCTTAAAGGAGCCTGAAAAAT GCCTCCAGTGGGCTGCTGGGCATAAGCCCTGGACTGTCCATATACTACTTGGAAATTCA AACAGAGTCCAGAGCTCAAAGGCAGGGAGAGCCAATAGGCTGCTGAAGGCCTAGGGAAAG CAACACAGGACAGTTGTCCATTTGAGACTCTTTCTCTATCAAAGAGGAGTTAGGGATATA CTGGTCAGTTCAAAGACCACAGTGTGACCCTGGCAAAGAAGAACTGCTCTCTATATTTCT ACCATCATGGGGGACGGCCAAACTGATTGTTACTGAACAGGTTTCAGTGATGTGGTATGAG AAGTGCCAGGGACTTAAGGAAATAGAATTCTGTAAGCAGCCTGACCCCTTCTAGGTCT AGAAGTATCACATTGAAAATGCCAAAATAAGTTCAGCTAGATATACCTATGAGAGGTTT TGGCAAAGACTTANGTATGATGGCTGGGTTTAAGATACATGTGTGNATCCGNATATGGT ATACCAATTCATTATTTGGTATTTTCAGACTAAAAATCATTTGNGCTCCTAAAGATTTTG ATCAGTTTGGGTAAAGCAAGCAATGTCTGTCTGATGTTTCAGGCCTTTTCAGGAGGACAA TACTGGGACACCTGAGCTTTGC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002504
<b>Insert Size:</b>	4350 bp
<b>OTI Disclaimer:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_002504.3</a> , <a href="#">NP_002495.2</a>
<b>RefSeq Size:</b>	4629 bp
<b>RefSeq ORF:</b>	3363 bp
<b>Locus ID:</b>	4799
<b>UniProt ID:</b>	<a href="#">Q12986</a>
<b>Domains:</b>	zf-NF-X1, R3H
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	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 (1) encodes isoform 1.