

Product datasheet for MR221094

Nfx1 (NM_023739) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfx1 (NM_023739) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfx1
Synonyms:	1300017N15Rik; 3000003M19Rik; NFX.1; TEG-42; Tex42
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR221094 representing NM_023739 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGGCGCCTCCGGTCTCAGGCACTTTTAAATTCAATACAGATGCTGCTGAGTTCATTCTCAGG
AGAGAAAACTTCTGGTCTAAATTTGTGGACCCAAAGAAGACTAGATTCTAGTAGGATTGCCAGAAGAAA
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CACAGTTATGCCTCTGGAAGCAAACCTAAGAGTCCCAGGGTTTTTCCAGTCATCTAATAAATCACTCA
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GCCAGCCTTGTCGGATCATACTGAACCAGGTGTGCTACTGTGGCAGCACCTCCCAGATGTGTTGTGTGG
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Protein Sequence:

>MR221094 representing NM_023739
 Red=Cloning site Green=Tags(s)

MAEAPPVSGTFKFNDAEAFIPQERKTSGLNCGTQRRLDSSRIGRRNYSSPPCHLPRHIPYEDISAVHQ
 HSYASGSKPKSPQGFQSSNLSLKNHGLQNPWQKARNEKHQNRNKAQGLSEQTSSTLESVARSESG
 TNPREHSPSESEKEVVIADPRGAKPKAAQLTNYNYPGRPKAKGRLRSEWGNRMSPKSEENTRPAISHT
 DSSDASCRKPVVDPVCVRRNEQRRYPQKRPPWEVEGARPRPGRNPPKQESQRHINAGPKTNMSPKPNL
 RERPTKSACDTGNLAVVSKSSRRVNQEKTAARRQDPQVLSPPFRGKQNHMLKNVETHTGSLIEQLTTEKY
 ECMVCCELVQVTAPVWSCQSCFHVFLNCKKWARSPASHADGQSGWRCPACQNVSAHVNTYTCFCGKV
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 SNACENILNCGQHHAELCHGGQCPCRIILNQVCYCGSTSRDVLGCTDVGKSDGFGDFSLCKICGKDLK
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 FIHTCEKLCHEGDCGPCSRTSVISCRCSFRTELKELPCTSLKSEDAFMCDKRCNKKRLCGRHKCNEICVD
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 ECDHPVYHSHSEKCPPCTFLTQKWCMGKHELRSNIPCHLVDI SCGLPCSAMLPCGMHKQRLCHKGEC
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 KDDARKDLKFVSDVEKEMETLVEAVNKGKNNKSHCFPPMNRDHRRIIHDLAQVYGLESISYDSEPKRNV
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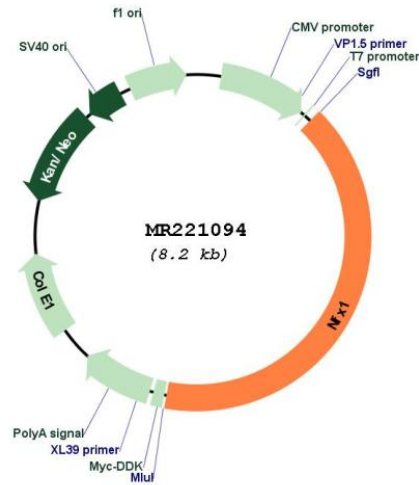
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_023739

ORF Size: 3342 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_023739.3</u> , <u>NP_076228.2</u>
RefSeq Size:	4556 bp
RefSeq ORF:	3345 bp
Locus ID:	74164
UniProt ID:	<u>B1AY10</u>
Cytogenetics:	4 20.72 cM
MW:	124.3 kDa
Gene Summary:	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]