

Product datasheet for **MR215046**

Nfxl1 (NM_133921) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nfxl1 (NM_133921) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nfxl1
Synonyms:	1700012H24Rik; AW538212; D430033A06Rik; DNABF; GCF; Gm1058; TCF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR215046 representing NM_133921
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGCTCCCTGGCGCCAGGTGGCCGCTGGCCGAGGCCGAGCCGAGGACGGGCCACCGCAGTGCCCC
 TCTCAGGAAATGGAGTCCCTTTTGGTGGCGCTGGAGGAGGGCGAGCCAAAGGGTCTGGGGCGCGGTGTC
 TTCGGGCCCGGCCCGGGGAGCAGCAGCTCTGGCCCTGCGGGTTCGGGGCAGCGCTCAGCTGGAGGC
 GAAGCCCCGAGCCCCGGGGGCCGGGTGAGGATGGCTCAGAATAATGTCTCAGAAGAAATTTGAGG
 AGATCAAGAAGTCCAATCAAGCTGCAGCCAGAAAGCTGTTGGAGGAGCACTGCAGCTCTTCTCTGAAGA
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 CTGTATATCCATATGCCCTGTATTCAGAAGTGGGCTAAAGACAGCCAGTTTCTTGTGTCTTCTGTGACA
 GACGATGATTTTGAAAGAAAGATTATCCCTGGCCATGTCCAAAATGTAGATTTGAATACAAAAGATCAG
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 GCTCTCGCCTTGGCAGAAGTATAAGTCTACCTCCTTCCCGTGTGTGAGTGTGGTGGCAGTGTATG
 TGGTACATCTCCATGGTGGAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >MR215046 representing NM_133921
 Red=Cloning site Green=Tags(s)

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MDAPWRQVAAGRGRARATVPLSGNGVPPFGAGGGRAGKSGGGAVSSGPGPGGAAALAPAGRGQRSAGG
EAPQPPGARGEDGSELM SQKKFEEIKKSNQAAARKLLEEHCSSSSEEGDEDLEGGKQKIVANTFTTYTT
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DDDFGKKDYPWPCKPCRFYKRESETPSRYYCYCGKVEDPPLDPWLPHSCGQVCEREFKPCSCGHKCLLLC
HPGPCPPCPKMTTTCYCKKAKPIPRRCSAKQWSCQLPCGRKLLCGHHKCNPCCHAGNCQPCPRVSRQKC
VCGKKVAERSCASPVWHCDQVCGKTLPCGNHTCEQVCHVGACGECPRSGKRSCPCQKSKFSLPCTEDVPT
CGDSCDKILECGIHRCSQRCHRGPCETCRQEVEKQCRGKHTKRMPCHKPYLCETKCVKMRDCQKHQCRR
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AGPECFHCEEGSKSRPAGCPHPCVLPCHPGKPPCVQMLRIKCHCKITSLYVECRKITTADVSEKNLLS
CCKNQCPKELPCGHRCKEMCHPGCEPFNCNQKVKLRCPCKRIKRELPCKNVRENQVSVEDCATCKEMKRR
ASEVKEAEANAAL EEEKRRQQAELFAFENRLKGRRKSRKRDEVAVELSPWQKYKSYLLPVCVVAVLVM
WYIFHGVD
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9102_h11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_133921

ORF Size: 2754 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:**
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_133921.3](#)

RefSeq Size: 3671 bp

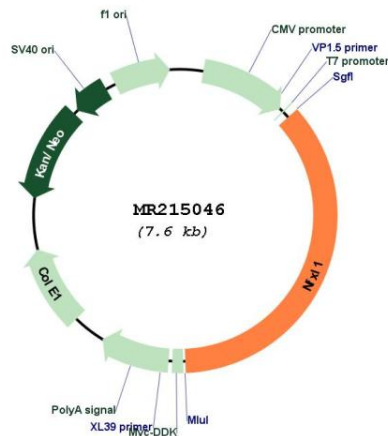
RefSeq ORF: 2757 bp

Locus ID: 100978

Cytogenetics: 5 C3.2

MW: 101.5 kDa

Product images:



Circular map for MR215046