

Product datasheet for **MR230901**

Nxf2 (NM_001289735) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nxf2 (NM_001289735) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nxf2
Synonyms:	4930455N06Rik; Nxf-b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR230901 representing NM_001289735
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGGTCTCTCCAAAAGAGAATCTGCAAGGCAGGTCTTCCATGTTTGTTCAGAAGAACATTAATTCTG
AGACATATAAACACGATATGGTTTACCATACAAGAGATCTGAGAGATTCTATCATTGAGAATACAAAAT
GAATTATAACCATGGTTTTCAAGGAAGAAAGAGAGGTGTGAATTATATCTGGAGTCAATTTGACAGAAAG
AACAAATCATTTTGATCATTATGGTGCTCCATATGCCATGGGAATGAAAAGAAGGAGAGAAAGATGCAGTT
ATGATGACCAATATTTTCTTAATGTGTGGGATGATAGTAAACTGAGGAGGGCGAAACAGATCTGGATGC
TGAAAATGAACTGAGGAGAAATGGTACAAGGTACAATCCAGTGAAGAAAGTATGAGAAGACATGG
CTAATGAGGTCAATCCAGAACTTCTGTAGTGAGCCCTTCATCCCTGTTGATTTCCACTATGACAAAACCC
AGGCCCGTTCTTTGTTGAGAATGCTAAGACTGCCTCTGCATTGAAGGATGTCAGCTACAGGATTTGTGA
TGAAACAAGCAGAAAAATAGCGATCTTTGTGAGTCTTCTGTTGTGCCCTATTCTGTGCAAAAACAGTTT
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ACCTCGAAAAGTTCCGATTTGACCAGGACTTAATGGACAAGGATATTGACATGATGCTGAATCGAAGAAG
CTGCATGGTTGCCACACTACAGATCATTCAAAGTGATATCCCTGAACTGTTGTCTTGAACCTTGACAAAC
AACAACTGTACCAGCTGGATGGCTGTGAGACATGACAGAGAAGGCCCTCACGTTAAGATCCTGAACC
TCTCCGAAATAAACTGAAGTCAATCACGGAATGGAGAAGGTGAAAGAAGTGAAGCTGGAAGAGCTGTG
GCTGGAAGGGAACCCCTTCTGCAACTGCTTCTGGATCATTGAGTATATAAGTACTATTATGACCTA
TCCCCAAGCTGTTGCGTCTGGATGGCGAGGACATAATAGTACAAAAAGAAATCTCAGAATGGCAAGG
GCCTAATAGTACCGACAAGAAATCTTCAGAATGGCAAGGACTTAATAGTACCGACAGGAAATCCTCAGGA
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AACTTGACTGGTCTCAGAAGTGCCTTCAAGATAACGAGTGGGACTACCCAAAGCTGGTGAAGCCTTAC
TGCTCTCCAGAATGAGGGCAAGATCCCAAAGGAATCTTCAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230901 representing NM_001289735
 Red=Cloning site Green=Tags(s)

MWSSPKENLQGRSSMFVQKNINSETYKQRYGLPYKRSEFYHSEYKMNYNHGFQGRKRGVNYIWSQFDRK
 NNHFDHYGAPYAMGMKRRRERCSYDDQYFLNVWDDSKTEEGETDLDAENETEEKWYKVTIPSGRKYEKTW
 LMRSIQNFCSEPFIPVDFHYDKTQARFFVQNAKTASALKDVSYRICDETSRKIAIFVSPSVVPYSVQNKF
 TSEQMEYIRESMMNRYDASQKALDLEKFRFDQDLMDKIDMMLNRRSCMVATLQIIQSDIPELLSLNLTN
 NKLYQLDGLSDMTEKAPHVKILNLSRNKLSFTELEKVKELKLEELWLEGNPFCNCFLDHFYISTIHDL
 FPKLLRLDGEDIIIVPKRNLQNGKGLIVPTRNLQNGKDLIVPTGNPQDGKDLIVPTGNPQDGKDLIVPTGN
 PQDGKDLIVPTKMDIEVPQPKESCNTSEVIKNLVLQFLKEYYLFYDNGDRLRLLDAYHDQACFSLSVPF
 DVSDPNLNNLEEFKYSRDLKRQDSSMRMQLLKHTKHDIVNSLSLLPKTQHDLCFSLVDFLHTEMMLC
 FSVNGLFMEVEGKCRGCIRAFTRIFIAIPCSDSRVHSSFRICIMNDELIVRNASPKEIQKAFKSLPAPDT
 SFKPLLSEEQEMVKSFSVQSGMKLDWSQKCLQDNEWDYTKAGEAFTALQNEGKIPKEFFK

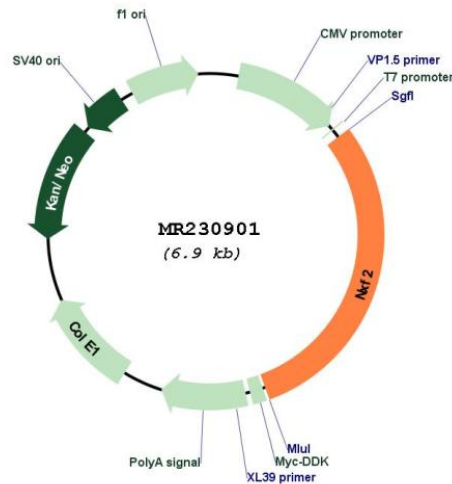
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001289735

ORF Size: 2073 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_001289735.1](#), [NP_001276664.1](#)

RefSeq Size: 2395 bp

RefSeq ORF: 2076 bp
Locus ID: 83454
Cytogenetics: X 56.31 cM
MW: 81.1 kDa