

## Product datasheet for **MG215333**

### **Nxf2 (NM\_031259) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	Nxf2
<b>Synonyms:</b>	4930455N06Rik; Nxf-b
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



**ORF Nucleotide Sequence:** >MG215333 representing NM\_031259  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTGGTCCTCCAAAAGAGAATCTGCAAGGCAGGTCTCCATGTTTGTTCAGAAGAACATTAATTCTG  
 AGACATATAAACAACGATATGGTTTACCATACAAGAGATCTGAGAGATTCTATCATTAGAATACAAAAT  
 GAATTATAACCATGGTTTTCAAGGAAGAAAGAGAGGTGTGAATTATATCTGGAGTCAATTTGACAGAAAG  
 AACAAATCATTTTGATCATTATGGTGTCCATATGCCATGGGAATGAAAAGAAGGAGAGAAAGATGCAGTT  
 ATGATGACCAATATTTTCTTAATGTGTGGGATGATAGTAAACAGGAGGGCGAAACAGATCTGGATGC  
 TGAAAATGAAAACAGGAGAAAATGGTACAAGGTACAATTCCAGTGGAAAGAAAGATGAGAAGACATGG  
 CTAATGAGGTCAATCCAGAACTTCTGTAGTGAGCCCTTCATCCCTGTTGATTTCCACTATGACAAAAACC  
 AGGCCCGGTTCTTTGTTGAGAATGCTAAGACTGCCTCTGCATTGAAGGATGTCAGCTACAGGATTTGTA  
 TGAACAAGCAGAAAAATAGCGATCTTTGTCAGTCTTCTGTTGTCCTTATTCTGTGCAAAACAAGTTT  
 ACATCAGAACAAATGGAGTACATAAGGGAATCTATGATGAACCGGTATGACGCCTCCAGAAAGCTCTGG  
 ACCTCGAAAAGTCCGATTTGACCAGGACTTAATGGACAAGGATATTGACATGATGCTGAATCGAAGAAG  
 CTGCATGGTTGCCACACTACAGATCATTCAAAGTGATATCCCTGAACTGTTGTCCTTGAACCTGACAAAC  
 AACAACTGTACCAGCTGGATGGCTGTGAGACATGACAGAGAAGGCCCTCACGTTAAGATCCTGAACC  
 TCTCCGAAAATAAAGTGAAGTCAATCAGGAAATGGAGAAGGTGAAAGAAGTGAAGCTGGAAGAGCTGTG  
 GCTGGAAGGAAACCCCTTCTGCAACTGCTTCTGGATCATTGAGTATATAAGTACTATTCATGACCTA  
 TTCCCCAAGCTGTTGCGTCTGGATGGCGAGGACATAATAGTACAAAAAGAAATCTTCAGAATGGCAAGG  
 GCCTAATAGTACCGACAAGAAATCTTCAGAATGGCAAGGACTTAATAGTACCGACAGGAAATCCTCAGGA  
 TGGCAAGGACTTAATAGTACCGACAGGAAATCCTCAGGATGGCAAGGACCTAATAGTACCAACAGGAAAT  
 CCTCAGGATGGCAAGGACCTAATAGTACCAACAAAAATGGACATCGAGGTCCCGCAACCATGCAAGGAAA  
 GCTGTAACACATCTGAAGTCATAAAAAATCTAGTTCTACAATTTCTGAAAGAGTACTACTGTTTATGA  
 CAATGGAGATCGACTTCGTCTTCTCGATGCTTACCATGACCAGGCTGCTTCTCCTTGCAGTTCCTTTT  
 GATGTCAAGTACCCAAACCTGAACAACTTGAAGAGTATTTCAAATACAGCAGAGATCTAAAGAGGCAGC  
 AAGACTCAAGCATGCGAATGCAGTTGCTGAAGCACACAAAACATGACATCGTGAACCTCTTAGCTTGT  
 ACCCAAACTCAGCATGATCTTTGCTCTTTCTTGGTGGACTGTTTCTCCACACGGAAATGATGCTCTGT  
 TTTTCTGTGAATGGACTATTCATGGAAGTGAAGGAAATGTCAGGCTGCATCCGTGCCTTACAGGGA  
 TCTTCATTGCTATCCCTTGCAGCGATTCAAGAATTTGCATCATGAACGATGAGCTGATTGTGAGGAATGC  
 CAGTCCAAAGAGATACAAAAGGCCTTACCTCATTGCCTGCACCCGACACGTCATTCAAGCCTTTGCTC  
 TCTGAAGAACAGCAGGAAATGGTGAAGTCTTCTCTGTGAGTCTGGAATGAACTTGAAGTCTCAGA  
 AGTGCCTTCAAGATAACGAGTGGGACTACACCAAGCTGGTGAAGCCTTCACTGCTCCTCAGAATGAGGG  
 CAAGATCCCAAAGGAATCTTCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

**Protein Sequence:** >MG215333 representing NM\_031259  
 Red=Cloning site Green=Tags(s)

MWSSPKENLQGRSSMFVQKNINSETYKQRYGLPYKRSEFYHSEYKMNYNHGFQGRKRGVNYIWSQFDRK  
 NNHFDHYGAPYAMGMKRRRERCSYDDQYFLNVWDDSKTEEGETDLDAENETEEKWYKVTIPSGRKYKWT  
 LMRSIQNFCSEPFIPVDFHYDKTQARFFVQNAKTASALKDVSRYRICDETSRKIAIFVSPSPVPYSVQNK  
 TSEQMEYIRESMMNRYDASQKALDLEKFRFDQDLMDKIDMMLNRRSCMVATLQIIQSDIPELLSLNLTN  
 NKL YQLDGLSDMTEKAPHVKILNLSRNLKSFTELEKVKELKLEELWLEGNPFCNCFLDHFEYISTIHDL  
 FPKLLRLDGEDIIIVPKRNLQNGKGLIVPTRNLQNGKDLIVPTGNPQDGKDLIVPTGNPQDGKDLIVPTGN  
 PQDGKDLIVPTKMDIEVPQPKESCNTSEVIKNLVLQFLKEYYLFYDNGDRLRLLDAYHDQACFSLSVPF  
 DVSDPNLNLLEEFYKYSRDLKRQDSSMRMQLLKHKHDIVNSLSLLPKTQHDLCDFLVDLFLHTEMMLC  
 FSVNGLFMEVEGKCRGCIRAFTRIFIAIPCSDSRICIMNDELIVRNASPKEIQKFTSLPAPDTSFKPLL  
 SEEQEMVKSFSVQSGMKLDWSQKCLQDNEWDTKAGEAFTALQNEGKIPKEFFK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_031259

**ORF Size:** 2055 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.

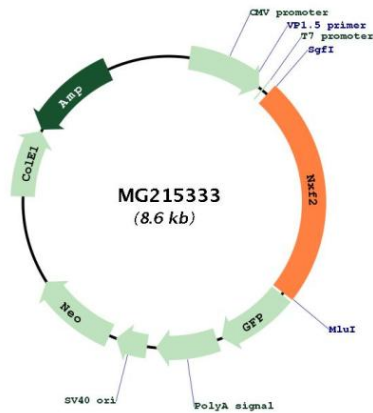
**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_031259.2](#), [NP\\_112549.1](#)

**RefSeq Size:** 2381 bp

RefSeq ORF: 2058 bp  
 Locus ID: 83454  
 Cytogenetics: X 56.31 cM

**Product images:**



Circular map for MG215333