

Product datasheet for **RG217018**

NXF2 (NM_017809) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	NXF2
Synonyms:	CT39; FLJ20416; NXF2B; TAPL-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG217018 representing NM_017809
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGTGCTCTACTCTAAAGAAGTGTGGGACATACAGAACTGAAGTTGCAGAATGCCATGACCATGGTAGCA
 CTTTTCAAGGAAGAAAGAAAGGTGGGAGTTCTTTCCGGGATAATTTTGACAAGAGGAGCTGTCATTATGA
 ACATGGTGGGTATGAGCGCCCGCTTCACACTGCCAGGAGAATGATGGAAGCGTGGAGATGAGGGATGTC
 CACAAGGACCAACAACCTAAGACACACTCCTTATAGCATCCGATGCGAAAGAAGAATGAAATGGCATAGTG
 AAGACGAAATCCGTATTACCACGTGGAGAAATAGAAAACCTCCGGAGAGAAAAATGAGTCAGAACACACA
 GGATGGATACACAAGGAACCTGGTTTAAAGTCAACAATTCCTTACGGGATAAAGTATGACAAGGCATGGCTA
 ATGAATTCAATCCAGAGCCATTGCAGTGACCGCTTCACTCCGGTTGATTCCACTACGTCCGAAATCGGG
 CATGCTTCTTTGCCAGGATGCTAGCGCTGCCCGCATTGAAGGATGTCAGTTATAAGATTTATGATGA
 TGAGAACCAAAAGATATGTATTTTGTCAATCATTCTACTGCGCCCTACTCTGTGAAGAATAAGTTGAAG
 CCAGGCCAAATGGAGATGCTAAAGCTGACCATGAACAACGGTACAATGTCTCCAGCAAGCTCTTGATC
 TCCAGAATCTCCGCTTTGACCCAGACTTGATGGCCGTGACATTGATATAATCTGAATCGAAGAACTG
 CATGGCTGCCACCTGAAGATCATTGAAAGAAATTTCCCTGAGCTGTTGTCTTTGAACCTGTGCAACAAC
 AAGCTGTACAGCTGGATGGCCTTTCTGACATTACAGAGAAGGCTCCCAAAGTCAAGACCTGAATCTCT
 CCAAAAATAAGCTGGAGTCGGCGTGGGAGTTGGGCAAGGTGAAAGGGCTGAAGCTCGAAGAGCTATGGCT
 AGAAGGGAACCCGTTGTGCAGCACCTTCTCGGACCAAGTCCGCTATGTAAGTGCCATCCGGGATTGTTTC
 CCCAAGTTGTTACGCTGGACGGCCGAGAGTTATCCGACCAAGTATTGTTGACATTGACAGCTCTGAGA
 CAATGAAACCTGCAAGGAAACCTTACTGGATCTGAGACCTAAAGCATTAGTCTGCAATTCCTGCA
 GCAGTATTACTCGATCTATGACTCTGGAGATCGACAGGGTCTCCTCGGTGCTTACCACGATGAGGCCTGC
 TTCTCCTTGCTATTCCCTTCGACCCCAAGGACTCAGCCCCGAGCAGCTTGTCAGTACTTTGAGGATA
 GCAGGAATATGAAACACTCAAGGACCCCTACCTGAAGGGGAACTGCTGAGGCGCACAAAACGTGACAT
 TGTGGACTCCCTCAGTGCCTTGGCCAAAACCTCAGCATGACCTCAGCTCCATCCTGGTGGAGCTGTGGTGC
 CAGACGGAAAGGATGCTCTGCTTTTCTGTCAATGGGGTTTTCAAGGAAAGTGAAGGACAGTCTCAGGGTT
 CTGTTCTCGCCTTCAACCGGACCTTATTGCTACCCCTGGCAGCAGTTCAGTCTGTGCATCGTGAATGA
 CGAGCTGTTTGTGAGGGATGCCAGCCCCAAGAGACTCAGAGTGCCTTCTCCATCCAGTGTCCACACTC
 TCCTCCAGCTCTGAGCCCTCCCTCTCCAGGAGCAGCAGGAAATGGTGCAGGCTTTCTGCCCAGTCTG
 GGATGAAACTGGAGTGGTCTCAGAAGTGCCTTCAGGACAATGAGTGAAGTACACTAGAGCTGGCCAGGC
 CTTCACTATGCTCCAGACCGAGGGCAAGATCCCCGAGAGGCTTCAAGCAAATCTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG217018 representing NM_017809
 Red=Cloning site Green=Tags(s)

MCSTLKKCGTYRTEVAECHDHGSTFQGRKKGGSSFRDNFDRSCHYEHGGYERPPSHCQENDGSVEMRDV
 HKDQQLRHPTYSIRCERRMKWSEDEIRITTWNRKPPERKMSQNTQDGYTRNWFKVTIPYGIKYDKAWL
 MNSIQSHCSRFTPVDFHYVRNRACFFVQDASAASALKDVSYKIYDDENQKICIFVNHSTAPYSVKNKLK
 PGQMEMLKLTMNKRYNVSQALDLQNLRFDPDLMGRDIDIILNRRNCMAATLKIIERNFPELLSLNLCNN
 KLYQLDGLSDITEKAPVKTLNL SKNKLES AWELGKVKGLKLEELWLEGNPLCSTFSDQSAYVSAIRDCF
 PKLLRLDREL SAPVIVDIDSSETMKPCKENFTGSETLKHLVLQFLQQYYSIYDSGDRQGLLGAYHDEAC
 FSLAIPFPKDSAPSSSLCKYFEDSRNMKTLKDPYLGKELLRRTRKRDIVDSLALPKTQHDLSILVDVWC
 QTERMLCFVNGVFKEVEGQSQGSVLAFTRTFIATPGSSSLCIVNDEL FVRDASPQETQSAF SIVPSTL
 SSSSEPSLSQEQQEMVQAFSAQSGMKLEWSQKCLQDNEWNYTRAGQAFTMLQTEGKIPAEAFKQIS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017809

ORF Size: 1878 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:

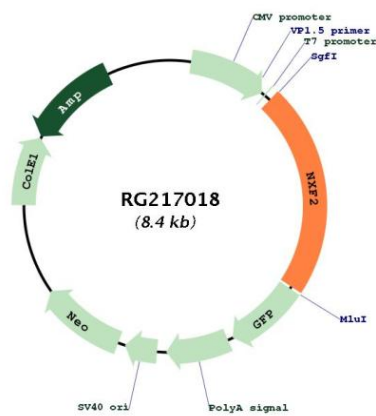
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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_017809.3](#), [NP_060279.2](#)

RefSeq Size:	2884 bp
RefSeq ORF:	1880 bp
Locus ID:	56001
Cytogenetics:	Xq22.1
Gene Summary:	This gene encodes a member of a family of nuclear RNA export proteins. The encoded protein is associated with the nuclear envelope and aids in the export of mRNAs. There is a closely related paralog of this gene located adjacent on chromosome X and on the opposite strand. [provided by RefSeq, Aug 2013]

Product images:



Circular map for RG217018