

Product datasheet for **MC200759**

Nxf1 (NM_016813) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nxf1 (NM_016813) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nxf1
Synonyms:	Mex67; Mvb1; Tap
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC005594 sequence for NM_016813
 CGACGTGCTTCGCCGGATAAATGCGGTGGCGCCGGTCGTAGGAGAGATTCTGTCCTGAGCGCTAAGGCTC
 CTTGGCGTTTGGTGGCGTCAGGTTCTGCGCCTGAGCCCCCCCCTGTACCTGCCTGTGCCATGGCGGACGA
 AGGGAAGTCATACAACGAGCATGATGACCGTGTAGTTTCCCTCAAAGAAGAAAGGCGGGGGGCT
 TTCCGATGGAAGTGTGGTGAAGGGAATCGTAGGCTGGAAGAGGTGGTTCTGGTGTACAGTCTTCCCGAT
 TTGAGGAAGATGATGGCGATGTAGCAATGAATGATCCCCAGGATGGCCCCGAGTAAGATAACAATCCCTA
 TACCAACCGCCCTAATCGTCGGGAGATGGTTGGCATGATCGAGATCGAATTCATATTACTGTACGGAGA
 GACAGAGCTCCTGCAGAGAGAGGAGGGGCTGGCACAGTCAAGATGGGACCACCAAGAAGCTGGTTCAAGA
 TTACAATTCCTTATGGTAGAAAGTATGACAAAACGTGGCTTCTGAGCATGATTACAGACAAATGCAGTGT
 CCCCTTCAATCCCATCGAGTTTCACTATGAAAATACACGGGCCCATTTTTTTGTGGAGGATGCCACTACT
 GCTTCTGCATTAAGGGTGTCAACCATAAGATCCAGGATCGAGAAAACAGAAGGATATCTATCATCATCA
 ATGCTTCTGCTCCACCCTACACTGTACAGAATGAACTGAAGCCGAACAAATAGAGCAGCTCAAGCTGAT
 CATGAGCAAACGATATGATGGCAACCAACAAGCACTTGACCTCAAGGGGCTCCGCTCAGACCCAGATTTG
 GTGGCCAGAACATCGATGTTGTTCTAAACCGCAGAAGCTGTATGGCAGCCACCCTCGGATCATTGAAG
 AGAACATTCCTGAGCTATTGCTTTGAACTTGAGCAGCAACAGGCTATACAAGCTGGATGATATGTCTAG
 CATTGTGCAGAAGGCGCCAAACCTAAAGACCCTAAATCTCTCCGAAACGAATTGAAGACTGAGCGGGAA
 TTAGACAAGATAAAGGGCTGAAGCTGGAAGAGCTGTGGCTTGACAGAAACCCCATGTGTGACAACCTTCG
 GAGACCAGTCCAGCTATATCAGCGCCATTCCGCAACGATTTCCCAAGTTATTACGCTGGATGGCCATGA
 GCTACCCCTCCAATTTCTTTGATGTCGAAGCCCTACAATGTTACCACCCTGCAAGGGAAGCTATTTT
 GGAACCGAGAACCTAAAGAGTCTGGTCTGCGCTTCTTGACGAGTACTATGTAATTTATGACTCAGGAG
 ACCGCCAGGCTCCTGTATGCCTACCATGATGGCGCCTGTTGCTCGCTAAGCATTCTTACAACCTCA
 GAATCCTGTCCGAAAAAAGCTTAAAGCATAACAGTCTTAATGTCGTTGCCTTCTCAATGAGTTACCCAAA
 ACCAGCGGTTCCGACTTAAAGCATAACAGTCTTAATGTCGTTGCCTTCTCAATGAGTTACCCAAA
 TCCAACATGACGTTAACGCCTTCGTGGTAGATATAAGTGCCAAACAAGCACATTAAGTGTGTTTTCTGT
 CAATGGAGTCTTCAAGGAAGTGGATGGGAAGTCTCGAGATTCTTACGTGCTTTCACAAGACGTTCAAT
 GCTGTTCTGCCAGCAATTCAGGGCTATGTATTGTAATGATGAATATTTGTGCGGAATGCCAGCCCTG
 AAGAAATCCAAGAGCCTTCGCCATGTCTGCACCCACACCTTCTCCAGTCCAGTACCCACGCTTTCCCC
 AGAACAGCAGGAAATGTTGCAAGCATTTTCTACCCAGTCTGGCATGAACCTTGAGTGGTCTCAGAAGTGC
 CTTCAAGACAATAACTGGGACTACACCAGATCTGCTCAGGCCCTCACTCTCTCAAGGCCAAGGGAGAGA
 TTCCAGAAGTAGGTTTATGAAATGATCACAAGAAAAGTCCCCTGTAAATAGCCCTGGATAATATTGT
 CTGGCTGTCATCTGCCGCTCCTGTCCAGCCCAGGCCACCCTGTAAGTGTGACTGAGGAGGAAGGGCTG
 CTTTCATCCTCCTACCTACCTTCTGGAAGACTTAGAGAAGACTTCCGGAAGATTGAGCCTCATGGTGCCA
 GGAAGCCAAAGCTTACTTTGTAGAGCTGACACTAAACTACCCGAAGGACTTAGGTGCTCTGTGACTTAA
 CCCAGGATTCCTTTACTTTTTAAGATAAAGAGTGATATTGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_016813
- Insert Size:** 1857 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [BC005594](#), [AAH05594](#)

RefSeq Size: 2312 bp

RefSeq ORF: 1857 bp

Locus ID: 53319

UniProt ID: [Q99JX7](#)

Cytogenetics: 19 5.5 cM

Gene Summary: Involved in the nuclear export of mRNA species bearing retroviral constitutive transport elements (CTE) and in the export of mRNA from the nucleus to the cytoplasm (TAP/NFX1 pathway). The NXF1-NXT1 heterodimer is involved in the export of HSP70 mRNA in conjunction with ALYREF/THOC4 and THOC5 components of the TREX complex. ALYREF/THOC4-bound mRNA is thought to be transferred to the NXF1-NXT1 heterodimer for export. Also involved in nuclear export of m6A-containing mRNAs: interaction between SRSF3 and YTHDC1 facilitates m6A-containing mRNA-binding to both SRSF3 and NXF1, promoting mRNA nuclear export.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1).