

Product datasheet for **RR208996**

Nxf1 (NM_021579) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nxf1 (NM_021579) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nxf1
Synonyms:	Mex67h; Tap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR208996 representing NM_021579
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGGACGAAGGGAAGTCATACAACGAACATGATGACCGTGTTAGTTCCACAAAGAAGAAAGAAAG
 GTCGGGGGCCCTTTCCGATGGAAGTGTGGTGTGGGAATCGTAGGTCTGGAAGAGGTGTTCTGGTATACG
 GTCTTCCCGGTTTGAGGAAGATGATGGAGATGTGGCAATGAATGATCCCCAGGATGGCCCCGAGTGAGA
 TTCAACCCCTATACCACCCGACCTAACCGTCGGAGAGATACTTGGCATGATCGAGATCGGATTTCATGTTA
 CTGTACGGAGAGACAGAGCTCCTCAAGAAAGAGGAGGTGCTGGCACCAGTCAAGATGGGACCACCAAGAA
 CTGTTTCAAGATTACAATTCCTTATGGCAAAAAGTATGATAAAATGTGGCTTCTGAGCATGATTCAAAGC
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 ATGCCACTACCGCTTCTGCATTAAGGCTGTCACTATAAGATTCAAGATCGAGAAAACGGAAGGATATC
 TATCATCATCAACTCTTCTGCTCCACCCTATATTGTACAGAATGAAGTGAAGCCTGAACAAGTAGAGCAG
 CTCAAGCTGATCATGAGCAAAACGATATGATGGCTCCAGCAAGCACTTGACCTCAAGGGCTCCGCTCAG
 ACCCAGATTTGGTGGCCAGAACATCGATGTTGTTCTAAACCGTAGAGGCTGTATGGCAGCCGCCCTGAG
 GATCATTGAAGAGAACATTCTGAGCTATTGTCTTTGAACCTGAGTAACAACAGGCTGTACAAGCTTGAT
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 CCGAGTGGGAATTAGACAAGATAAAAGGCTGAAGCTGGAAGAGCTGTGGCTTGACAGAAACCCCATGTG
 TGACACCTTCTAGACCAAGTCCACCTATATCAGCACCATTGCGAACGATTTCCCAAGTTATTACGCCTG
 GATGGCCATGAGTACCCCTCCAATTGCCTTTGATGTGGAAGCCCTACTATGTTACCACCTGCAAGG
 GAAGCTATTTTGAACAGAGAACCTAAAGAGTCTGGTCTGCACTTCTTGACAGTACTATGCAATTTA
 TGACTCAGGAGACCGCCAGGGTCTTCTGGATGCCTACCATGATGGCGCCTGTTGCTCGCTAAGCACTCCT
 TCCAACCTCAGAACCTGTCCGACACAACCTAGCCAAATACTTCAATGACAGCAGAAATGTGAAGAAGA
 TTAAGATACCACCACGCGGTTCCGGCTATTAAGCATACACGCTTAATGTGCTTGCCTTCTCAATGA
 GTTACCTAAAACCTACCATGACGTTAACTCCTTTGTTGATAGATATAAGTGCCCAACAAGCACATTGTTG
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 GAACGTTCAATTGCTGTTCTGCCAGCAATTCAGGGCTATGTATTGTAATGACGAATTATTTGTGCGGAA
 CGCCAGCCCTGAAGAAATCCAAAGAGCCTTCGCCATGCCTGCACCCACACCTTCTCCAGCCAGTACCC
 AACTCTCCCAAGAACAGCAGGATATGTTACAAGCATTTTCTACCCAGTCTGGCATGAACCTCGAGTGGT
 CTCAGAAGTGCCTTCAAGACAATAACTGGGACTACACCAGATCTGCCAGGCCTTCACTCATCTCAAGGC
 CAAGGGAGAGATTCCAGAAGTAGCGTTTATGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

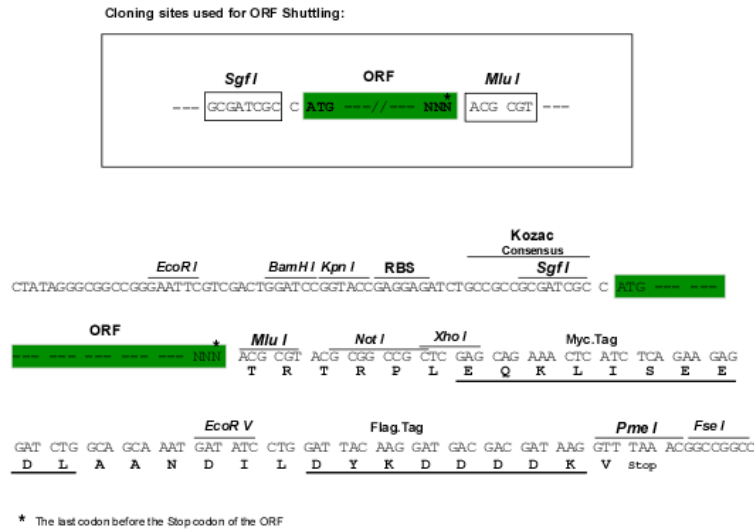
>RR208996 representing NM_021579
 Red=Cloning site Green=Tags(s)

MADEGKSYNEHDDRVSFPQRRKKGRGPFWRKCGVGNRRSGRGGSGIRSSRFEEDDGDVAMNDPQDGRPRV
 FNPYTTRPNRRRDTWHRDRDRIHVTVRRDRAPQERGGAGTSQDGTTKNWKITIPYGKKYDKMWLLSMIQS
 KCSVFPNPIEFHYENTRAHFFVENATTASALKAVNYKIQDRENGRISIIINSSAPPYIVQNELKPEQVEQ
 LKLIMSKRYDGSQQALDLKGLRSDPLVAQNIDVVLNRRGCMAAALRIIEENIPELLSLNLSNNRLKLD
 DMSSIVQKAPNLKILNLSGNELKSEWELDKIKGLLEELWLDNRNPMCDTFLDQSTYISTIRERFPKLLRL
 DGHELPPPIAFDVEAPTMLPPCKGSYFGTENLKSLLVHFLQYYAIYDSGDRQGLLDAYHDGACCSLSTP
 SNPQNVPVRHNLAKYFNDSRNVKKIKDTTTRFRLLKHTRLNVVAFLNELPKTHHDVNSFVVDISAQTSTLL
 CFSVNGVFKEVDGKSRDSLRAFTRTFIAPASNSGLCIVNDEL FVRNASPEEIQRAFAMPAPTSSSPVP
 TLSQEQQDMLQAFSTQSGMNLEWSQKCLQDNNWDYTRSAQAFTHLKAKGEIPEVAFMK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_021579

ORF Size: 1854 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_021579.1](#), [NP_067590.1](#)

RefSeq Size: 2252 bp

RefSeq ORF: 1857 bp

Locus ID: 59087

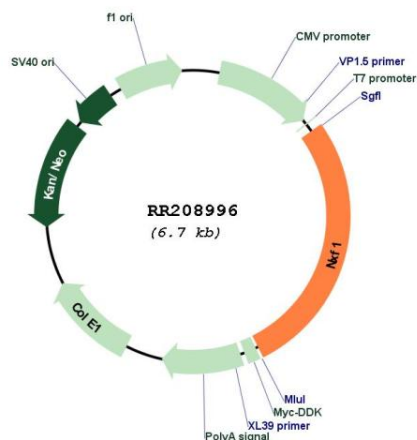
UniProt ID: [O88984](#)

Cytogenetics: 1q43

MW: 70.4 kDa

Gene Summary: mouse homolog is involved in nuclear export of RNA transcripts and associates with NXT1 [RGD, Feb 2006]

Product images:



Circular map for RR208996