

Product datasheet for **MC219579**

Naf1 (NM_001163564) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Naf1 (NM_001163564) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Naf1
Synonyms:	Gm174
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219579 representing NM_001163564
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGTGGTGGAGGCCCGCGCAGCTGCAGACGCTCAAGTTCGGCGGCTCCGGCCAGGGGTCCGCAG
 CACCGCAGCCACCTGAGGATCGCCGGGAGGCCCGCCCGGGGTGCAGCCGCCCGCCAGCCCGAG
 CTCGGATCCCGCGGAAGACCACCGCCGCTGCCAGCCCCGAGCTCGGATCCCGCGGAAGACCACCGCCG
 CTGCCAGCCCCGAACCTCGGATCCCGCGGAAGACCACCGCCGCTGCCAGCCCCGAGCTCGGATCCCGCGG
 GAAGACCACCGCCGCTGCCAGCCCCGAACCTCGGATCCCGCGGAAGACCACCGCCGCTGCCAGCCCCGAG
 CTCGGATCCCGCGGAAGACCACCGCCGCTGCCAGCCCCGAACCTCGGATCCCGCGGAAGACCACCGCCG
 CCGCCAGCCCCGAGCTCGGATCCCGCGGAAGACCACCGCCGCCAGCCCCGAACCTGGGATGCGGGCG
 GAAGACCACCGCCGCCAGCCCCGAACCTCGGATCCCGCGGAAGACCAGCTCCGCCGCTGCCAGCCCT
 GAACTGGGATGCGGGCGGAAGACCACCGCCGCCGGCGGGGCCTGGGTACCGGCCGGAACGCCCGGAG
 CCGCCGCCAGTGCAGGCCTCGGACTCCTCGGACTCGGATTCGGACAGTGAAACAGATTAGATAGCT
 CCAGCTCCTCCTTCTCGTCCTCTTCACTCTTCACTCTGTGTATCATTCTCTCTGTGTGTGCAGATGG
 AGATGAGGATTTCAACTTGAGAAAGAAAATAAGAATTTCTCTTAAAACAAAAGATGAATTGCTTCTT
 AATGAACCTACTTCTGTTGAAGAACTCACTGTAATTCGCTGAAGACATTGCACTAAAGCCTTTGGGA
 AGGTTTCAAGCATTATTGAACAATTAGTAATAATTGAGTCTGTGACTAACATACCTCCAGTTAATGAGGA
 TACTGTCAATTTCAAAGTGATCGACAAGCAGCAGGGAAGATATTTGAGATATTTGGACCTGTTGCCCAT
 CCATTTTATGTGTACGGTTTAAATTCATCAGATCACATTGAGAGTAAAGGTATCAAAATAAATGACACGA
 TGTATTTGCTCCATCAATGAAAGACTTCACTCAATATATATTCACAGAAAAGCTCAAACAGGACAGAGG
 ATCGGACGCTTCTTGAAGAATGATCAGGAACCCCTCCAGAAGTCTTGGACTTCAGTGACGATGAGAAA
 GAAAAAGAACCAACAGAGAAAAAATCTCAGATTCAAGGCCGAAAAAACTCAAATCTGAATTGAATG
 AGTCAGGTGAAGATTTTGGTGAAGTGCATGAGAATTGGAATGCTTATAGCTTTCAGAACATTCAAAGG
 ATATCACACAGGGAATTCTCAAGAGGCTTTCGAGGGGTAGATACTCTCGAAGAAGCCATGGCAGGCCCT
 CCACCTCAGCAGTACTATAACTCAGACCATATGGCATCTCAAGAGAGTTTGGGATTTACACCTCAGAGAC
 AAGATAATCCTGTATGCCCCACTATCCTTTCCCGCCCATGTTTGATATGCATAACTTTCCACTTCC
 GCCCCACCCCAACCCCGCTCCGCCCAACCAAGCATGGGGTGGGCTGCACCTAGCATGGCCTCTCAT
 CCTGTGCTTAACCTACCATACTCCATGCCCAACCACTTCTCCTCCACCACCTCCACCTCCCCCTCCT
 CTCTGGGAAAATAATTCTTCTCATTTTGGGCCCTATTTT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001163564
- Insert Size:** 1794 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: [NM_001163564.1](#), [NP_001157036.1](#)

RefSeq Size: 2990 bp

RefSeq ORF: 1794 bp

Locus ID: 234344

UniProt ID: [Q3UMQ8](#)

Cytogenetics: 8 B3.1

Gene Summary: RNA-binding protein required for the maturation of box H/ACA snoRNPs complex and ribosome biogenesis. During assembly of the H/ACA snoRNPs complex, it associates with the complex and disappears during maturation of the complex and is replaced by NOLA1/GAR1 to yield mature H/ACA snoRNPs complex. Probably competes with NOLA1/GAR1 for binding with DKC1/NOLA4 (By similarity).[UniProtKB/Swiss-Prot Function]