

## Product datasheet for **RN215479**

### **Naf1 (NM\_001024772) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Naf1 (NM_001024772) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Naf1
Synonyms:	RGD1306802
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN215479 representing NM\_001024772  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGTGGTGGAGGCTGCCGCGCAGCTGCAGACGCTCAAGTTCGGCGGCTCCGGCCCGGATCCGCAG  
 CATCGCCGCCACCTGAGGAGCGCCCGGACGCCGAGCAGGCGGAGCAGGCCCGCCGGCAGGGGAGCAGCC  
 GCCGCCAGCCCCGAGCTCGGATGCTGGTAAAACCCACCGCCGCGAGCGGGCCCTGCGCCACCGCACCG  
 GACGCCGCGGAGCCGCTGCCAGAGCTGCAGGACTCGGACTCATCGGACTCGGATTCGGACAGTGAACCGG  
 ATTCGGATAGCTCAAGCTCTTCTCTTCTCATCTTCATCATCTTCTCTGTGGATCGTTCTCTCTGT  
 GTTGTGACAGCGGAGAGGAGGATGTCCAAGTTGAGAAAGAAAATAAGAATTTTCTCTTAAAAAAAAGAT  
 GAATTGCTTCTTAATGAACACTCTTCTGTGGAAGAACTCACTGTTACTCTGCCTGAAGACATTGCACTAA  
 AGCCTCTTGGGAAGGTTTCGAGCATTATTGAACAGTTAGTGATAATTGAGTCTATGACTAACATACTCC  
 AGTTAATGAGGATACTGTCAATTTTCAAAGTGATCGACAAGCAGCAGGGAAGATATTTGAGATCTTTGGA  
 CCTGTTGCCCATCCATTTTATGTGTACGGTTCATTCTTCAGAGCACATTGAGAGTAAAGGTATCAAAA  
 TAAAGGATACTATGTATTTTGTCCATCAATGAAAGACTTCACTCAGTATATTTACAGAAAAACTCAA  
 ACAGGACAGAGGATCTGATGCTTCTTGGAGAATGATCAGGAACCACTCCAGAAGCCTTGATTTCAGT  
 GATGATGAGAAAGAAAAGCAAGCAACAGAGGAAAAGTCTCAGATTCAAGGCCGCAAAAAACTCAAGT  
 CTGAATTGAATGAGTCAGGTGAAGATTTTGGTGAAGTGCATCAGAATTGGAATGCCAATAGCTCTCAGA  
 ACATTCGAAAGGATATCACACAGGGAATTCACGAGAGGCTTCCGAGGGGCAGATACTCTCGAGGAAGC  
 CATGGCAGACCTCCGCCACAGCAGTACTATAACTCAGATCCTATGGCATCTCAAGAGAGCTTGGGATTTCC  
 CACTCAGAGACAAGATAATCTGTGTCATGCCCACTATCCTTTTCCCCACCCATGTTTGTATGCATAA  
 CTTTCCACTGCCGCCCGCCCCACCCCAACCGTTAGCATGGGGTGGGCTGCACCTAGCATGACC  
 TCTCATCTGTTCTTAACCTACCATACTCCCTACCCCTCCTCCACTTCTCTCTCCCTCCTCCTCCCT  
 CTCTGGGAAAGTAATCTTCTCATTTTGGATCTTACTATTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001024772
- Insert Size:** 1374 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\\_001024772.1](#), [NP\\_001019943.1](#)

RefSeq Size: 2170 bp

RefSeq ORF: 1374 bp

Locus ID: 306387

UniProt ID: [Q52KK4](#)

Cytogenetics: 16p14

**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]