

Product datasheet for SC323017

NAF1 (NM_001128931) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAF1 (NM_001128931) Human Untagged Clone
Tag:	Tag Free
Symbol:	NAF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC323017 representing NM_001128931. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGGAGGTAGTGGAGGCCGCGCCGCTCAGCTGGAACTCTGAAATTCATGGCACCAGCTTTGGAGTT
 GGGGAAGTCCGGCGGCTCCGTCTCCGGGCTCTGCCCTGTGCCAGGGACACAGCCGCCGTACAGTCG
 TTTGAGGGTCCCGGACGCTGGGCAGACCGTGGAGGTTAAGCCTGCCGGGGAGCAGCCTCTGCAGCCC
 GTTCTGAACGCCGTCGCGGCCGGGACCCGCGCGCCGACGCCACAGCCACCGGTGAATCGCCGGCCTGC
 GGAGACTGCGTCACCTCCCCAGGAGCCGAGAGCCTGCGCGGGCGCCGGACTCCTGGAGACCTCGGAC
 TCGGATTCGGACTCGGACAGTGAACAGATTAGATAGTTCAAGTTCATCGTCTTCTCTTCATCTTCC
 TCATCGTCGTCTTCTTCTCTTGTATATCACTTCTCCAGTGCTGTCAGATGGAGATGATGATTACAA
 ATTGAGAAGGAAAATAAGAATTTTCTCTTAAACAAAAGATGAATTACTTCTTAATGAAGTGCCTTCT
 GTTGAAGAACTACTATTATTCTGCCTGAAGATATTGAGTTAAAGCCTCTTGGGATGTTTCAAGTATT
 ATTGAACAAC TAGTAATAATTGAATCTATGACTAACCTACCTCCAGTTAATGAGGAGACTGTAATTTT
 AAAAGTGATCGACAAGCAGCAGGAAAGATATTCGAGATATTTGGACCTGTTGCACATCCATTTATGTG
 TTACGGTTTAATTCTTCAGATCACATTGAGAGTAAAGGTATTAATAAAGGAGACTATGTATTTGCT
 CCATCAATGAAAGATTTCACTCAATATATTCACAGAAAACTAAAACAGGATAAGGGATCAGATGCA
 TCATGGAAGAATGATCAGGAACCACCACGAGGCCTTAGATTTTAGTGATGATGAAAAAGAGAAGGAA
 GCCAAACAGAGGAAAAATCTCAGATTCAAGGCCGAAAAAACTCAAATCTGAATTTAATGAGCCTGGT
 ACAGGTATATCTACAGATATTGTGGCCTCGGATCCAGACCATTGCAGTCAAGTGAGTCACAAAACTT
 TTTGGTTTCCAAATGCATATAAAGTTACGTTTACATGCTACTTTAGTTTATTAAGTATGCAATAG
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001128931


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Insert Size:	1170 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_001128931.1</u>
RefSeq Size:	1635 bp
RefSeq ORF:	1170 bp
Locus ID:	92345
UniProt ID:	<u>Q96HR8</u>
Cytogenetics:	4q32.2
MW:	41.9 kDa
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.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate exon in the 3' terminus, compared to variant 1, which results in a protein (isoform B) with a shorter and distinct C-terminus, compared to isoform A.