

Product datasheet for **RG225595**

NAF1 (NM_001128931) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NAF1 (NM_001128931) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NAF1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG225595 representing NM_001128931 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGAGGTAGTGGAGGCCGCCGCTCAGCTGGAACTCTGAAATTCATGGCACCGACTTTGGAGTTG
GGGAAGGTCCGGCGGCTCCGTCTCCGGCTCTGCCCTGTGCCAGGGACACAGCCGCCGTACAGTCGTT
TGAGGGGTCCCGGACGCTGGGCAGACCGTGGAGGTTAAGCCTGCCGGGAGCAGCCTCTGCAGCCCGTT
CTGAACGCCGTCGCGGCCGGGACCCGGCGCCGAGCCACAGCCACCGGCTGAATCGCCGGCCTGCGGAG
ACTGCGTCACCTCCCAGGAGCCGAGACCTGCGCGGGCGCCGACTCCTTGAGACCTCGGACTCGGA
TTCGGACTCGGACAGTGAACAGATTCAGATAGTTCAAGTTCATCGTCTTCTCTTCATCTTCTCATCG
TCGTCTTCTTCTTGTATATCACTTCTCCAGTGCTGTGAGATGGAGATGATGATTTACAAATTGAGA
AGGAAAAAAGAATTTCTCTTAAAAACAAAAGATGAATTACTTCTTAATGAAGTGCCTTCTGTTGAAGA
ACTCACTATTATTCTGCCTGAAGATATTGAGTTAAAGCCTCTGGGATGGTTTCAAGTATTATTGAACAA
CTAGTAATAATTGAATCTATGACTAACCTACCTCCAGTTAATGAGGAGACTGTAATTTTTAAAGTGATC
GACAAGCAGCAGGAAAGATATTCGAGATATTTGGACCTGTTGCACATCCATTTTATGTGTTACGGTTTAA
TTCTTCAGATCACATTGAGAGTAAAGGTATTAATAAAGGAGACTATGTATTTTGCTCCATCAATGAAA
GATTTCACTCAATATATATTCACAGAAAACTAAACAGGATAAGGGATCAGATGCATCATGGAAGAATG
ATCAGGAACCAACCAGAGGCCTTAGATTTTAGTGATGATGAAAAAGAGAAGGAAGCCAAACAGAGGAA
AAAATCTCAGATTCAGGCCGAAAAAACTCAAATCTGAATTTAATGAGCCTGGTACAGGTATATCTCAC
AGATATTGTGGCTCGGATCCAGACCATTCAGTCAAGTGAGTCACAAAACTTTTTGGTTTCCAAATGC
ATATAAAGTTACGTTTACATGCTACTTTAGTTTATTAAGTATGCAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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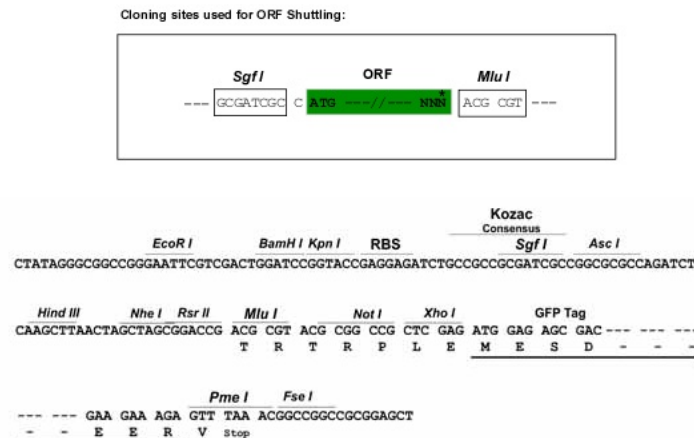
Protein Sequence: >RG225595 representing NM_001128931
 Red=Cloning site Green=Tags(s)

MEVVEAAAAQLETLKFNGTDFGVGEGPAAPSPGSAPVPGTQPPLQSFEGSPDAGQTVEVKPAGEQPLQPV
 LNAVAAGTPAPQPQPPAESPACGDCVTSPGAAEPARAPDSLETSDSDSDSDSETDSDSSSSSSSSSSSSSS
 SSSSSCISLPPVLSGDDDLQIEKENKNFPLKTKDELLNELPSVEELTIILPEDIELKPLGMVSSIIIEQ
 LVIIESMTNLPPVNEETVIFKSDRQAAGKIFEIFGPVAHPFYVLRFNSSDHIESKGIIKETMYFAPSMK
 DFTQYIFTEKLKQDKGSDASWKNDQEPPEALDFSDDEKEKEAKQRKKSQIQGRKKLKSEFNPGTGISH
 RYCGLGSRPLQSSSESHKLFQFMHIKVTFTCYFSLLSMQ

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001128931

ORF Size: 1167 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_001128931.2](#)

RefSeq Size: 1635 bp

RefSeq ORF: 1170 bp

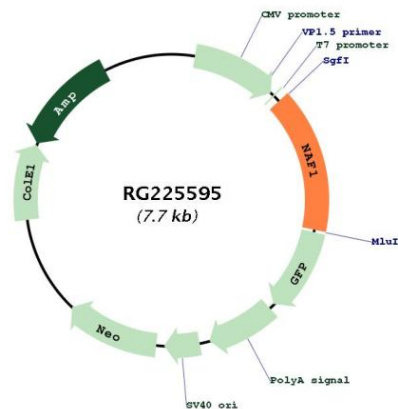
Locus ID: 92345

UniProt ID: [Q96HR8](#)

Cytogenetics: 4q32.2

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]

Product images:



Circular map for RG225595