

Product datasheet for **RR202117**

Naa11 (NM_001024742) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Naa11 (NM_001024742) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Naa11
Synonyms: Ard1b
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR202117 representing NM_001024742
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACATCCGCAATGCCCGACCCGAGGACCTGATGAACATGCAGCACTGCAACCTGCTCTGCCTGCCCG
AGAACTACCAGATGAAGTACTACTTCTACCATGGCCTGTCGTGGCCCCAGCTCTCCTACATCGCCGAGGA
CGAGGACGGCAAGATAGTGGGCTACGTCTGGCCAAGATGGAGGAGGACCCCGATGATGTCCCCACGGA
CACATCACCTCGCTGGCCGTGAAGCGCTCGCACCGGCCCTCGGCTGGCCAGAAGCTGATGGACCAGG
CCTCACGGGCGATGATCGAGAATTCAGCGCCAAGTACGTGTCCCTGCAGTCAGGAAGAGCAACAGGGC
GGCCTGCACCTGTATTCTAACACCCTCAACTCCAGGTTAGTGAGGTGGAACCCAAGTACTATGCCGAT
GGGGAAGATGCTTACGCCATGAAGCGGGATCTCGCTCAGATGGCTGATGAGCTGAGGAGGACGCTGGTGC
TGAAGAAGAGCAGATACGTGGTTCTGGGCTCTGAGGAGAACCAGGAAGCCAGGACAGCACACTCCGGGA
TGCCGAGGAGGCCTGTCAGCCCAGAACCCAGCAGGCAAAGGCAGTGAGGCCTGTGAGCCCAGAACCCA
GCAGGCAAAGGCAGTGAGGCCTGTGAGCCCAGAACCCCGAGGCAAAGACACTGGCAGCCACAGCACTG
ATGTCCAGGACAGCTCAGAGTACTTGGATTCCACCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202117 representing NM_001024742
Red=Cloning site Green=Tags(s)

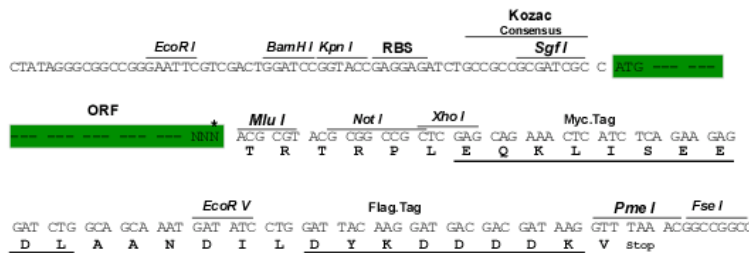
MNIRNARPEDLMNMQHCNLLCLPENYQMKYFFYHGLSWPQLSYIAEDEDGKIVGVVLAKMEEDPDDVPHG
 HITSLAVKRSHRRLGLAQKLMQASRAMIENFSAKYVSLHVRKSNRAALHLYSNTLNFQVSEVEPKYYAD
 GEDAYAMKRDLAQMADELRRQLVLKKSRYVVLGSEENQEAQDSTLPDAEEACQPENPAGKGSEACQPENP
 AGKGSEACQPENPAGKDTGSHSTDVQDSSEYLDSTS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001024742

ORF Size: 738 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_001024742.1](#), [NP_001019913.1](#)

RefSeq Size: 3259 bp

RefSeq ORF: 741 bp

Locus ID: 289482

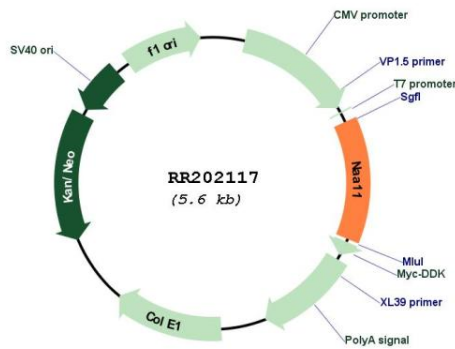
UniProt ID: [Q4V8K3](#)

Cytogenetics: 14p22

MW: 27.6 kDa

Gene Summary: Displays alpha (N-terminal) acetyltransferase activity. Proposed alternative catalytic subunit of the N-terminal acetyltransferase A (NatA) complex.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RR202117