

Product datasheet for MR201570

Naa20 (NM_001141965) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Naa20 (NM_001141965) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Naa20
Synonyms: 1500004D14Rik; 2900026I01Rik; AU041458; D2Ert186e; Nat5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201570 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGACCACGCTCCGGCCTTCACCTGCGACGACCTGTTCCGCTTCAACAACATTAACCTGGATCCACTTA
 CAGAAACTTATGGGATTCCTTTTACTTACAGTACCTTGCCTGACTGGCCAGAGTATTTTCATCGTCGCTGA
 AGCACCTGGCGGAGAATAATGGGTTATATTATGGCAAAGCAGAAGGCTCAGTAGCTAGGAAGAATGG
 CATGGACATGTCACAGCTCTCTGTGCGCCCTGAATTCGCGCTTGGCTTGGCTGCTAAACTTATGG
 AGTTACTAGAAGAAATTCAGAAAGAAAAGGTGGATTTTTTGTGATCTCTTCGTAAGAGTATCCAATCA
 AGTTGCCGTCAACATGTACAAGCAGTTGGTTACAGTGTCTACAGGACAGTCATAGAGTACTACTCAGCC
 AGCAATGGGGAGCCTGATGAGGATGCCTATGATATGAGGAAAGCACTTCCAGGGACTGAGAAGAAAT
 CCATCATCCCATTACCTCATCCCGTGAGGCTGAGGACATTGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201570 protein sequence
 Red=Cloning site Green=Tags(s)

MTTLRAFTCDLFRFNNINLDPLTETYGIPFYLAHWPEYFIVAEAPGGELMGYIMGKAEGSVAREEW
 HGHVTALVSAPEFRRLGLAAKLMELLEISERKGGFFVDLFRVSNQVAVNMYKQLGYSVYRTVIEYYSA
 SNGEPDEDAYDMRKALSRDTEKKSIIPLPHPVRPEDIE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

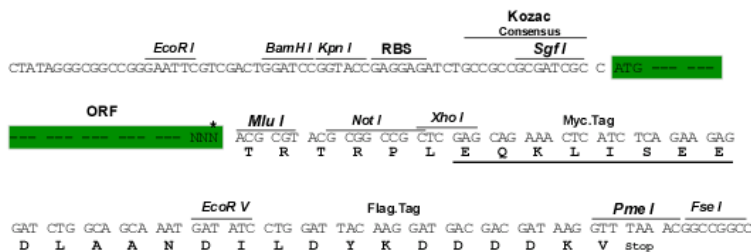
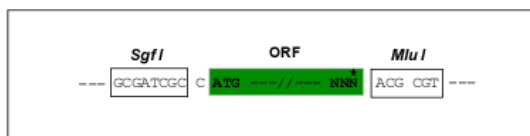
Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001141965

ORF Size: 537 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_001141965.1](#), [NP_001135437.1](#)
RefSeq Size: 1167 bp

RefSeq ORF: 537 bp

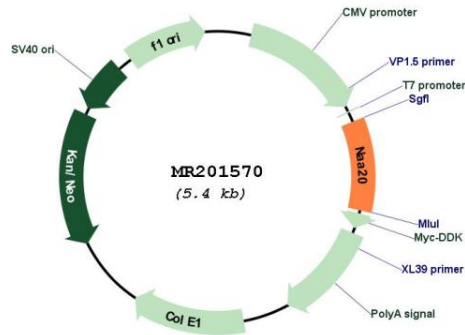
Locus ID: 67877

UniProt ID: [P61600](#)
Cytogenetics: 2 71.28 cM

MW: 20.4 kDa

Gene Summary: Catalytic subunit of the NatB complex which catalyzes acetylation of the N-terminal methionine residues of peptides beginning with Met-Asp, Met-Glu, Met-Asn and Met-Gln. Proteins with cell cycle functions are overrepresented in the pool of NatB substrates. Required for maintaining the structure and function of actomyosin fibers and for proper cellular migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201570