

Product datasheet for **MR223762**

Naa20 (NM_026425) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Naa20 (NM_026425) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Naa20
Synonyms: 1500004D14Rik; 2900026I01Rik; AU041458; D2Ert186e; Nat5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR223762 representing NM_026425
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACCACGCTCCGGCCTTCACCTGCGACGACCTGTTCCGCTTCAACAACATTAACCTGGATCCACTTA
CAGAACTTATGGGATTCCTTTTACTTACAGTACCTTGGCAGTGGCCAGAGTATTCATCGTCGCTGA
AGCACCTGGCGGAGAATAATGGGTTATAGTAAGTACAGTACCACTAGTACTTTTTGGTTATGGGCAA
GCAGAAGGCTCGGTAGCTAGGGAAGAATGGCATGGACATGTCACAGCTCTCTGTGCGCCCTGAATTCC
GCCGCTTGGCTTGGCTGCTAACTTATGGAGTACTAGAAAGAAATTCAGAAAGAAAAGGTGGATTTTT
TGTTGATCTCTTCGTAAGAGTATCCAATCAAGTTGCCGCAACATGTACAAGCAGTTGGGTTACAGTGTC
TACAGGACAGTCATAGAGTACTACTCAGCCAGCAATGGGGAGCCTGATGAGGATGCCTATGATATGAGGA
AAGCACTTCCAGGGACTGAGAAGAAATCCATCATCCCATTACCTCATCCCCTGAGGCCTGAGGACAT
TGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223762 representing NM_026425
Red=Cloning site Green=Tags(s)

MTTLRAFTCDDLFRFNNINLDPLTETYGIPFYLQYLAHWPEYFIVAEAPGGELMGYSKYSTTSTFLVMGK
AEGSVAREEWHGHVTALSVAPEFRRLGLAAKLMELLEESERKGGFFVDLFRVSNQVAVNMYKQLGYSV
YRTVIEYYASNGEPDEDAYDMRKALSRDTEKKSIIPLPHPVRPEDIE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

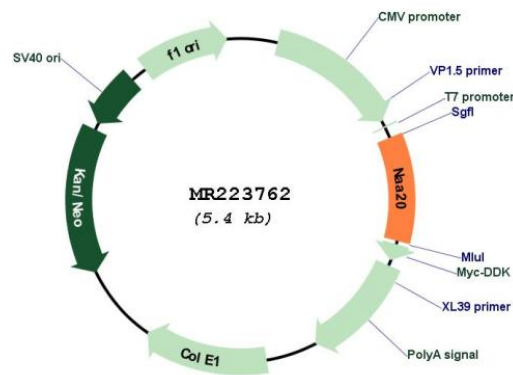
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



- ACCN:** NM_026425
- ORF Size:** 564 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_026425.3](#), [NP_080701.1](#)

RefSeq Size: 1197 bp

RefSeq ORF: 567 bp

Locus ID: 67877

UniProt ID: [P61600](#)

Cytogenetics: 2 71.28 cM

MW: 21.9 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]