

Product datasheet for **MR200048**

Nop10 (NM_025403) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nop10 (NM_025403) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Nop10
Synonyms: 1110036B12Rik; Nola3; NOP10P
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR200048 representing NM_025403
Red=Cloning site Blue=ORF Green=Tags(s)

GACGTTGTATACGACTCCTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GGCGCGCC**

ATGTTTCTCCAATATTACCTCAACGAGCAGGGCGATCGCGTTTATACGCTGAAGAAATTTGACCCTATGG
GACAACAGACTTGCTCCGCCATCCTGCTCGGTTCTCCCCAGATGACAAATTTCAAGACACCGAATCAC
CATCAAGAAACGCTTCAAGGTGCTCATGACCCAGCAACCGGTCCTGTCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/mm9051_b02.zip

Restriction Sites: Ascl-MluI



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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_025403.4](#), [NP_079679.1](#)

RefSeq Size: 695 bp

RefSeq ORF: 195 bp

Locus ID: 66181

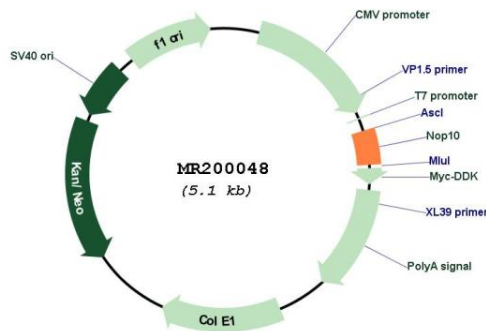
UniProt ID: [Q9CQS2](#)

Cytogenetics: 2 E3

MW: 8.2 kDa

Gene Summary: Required for ribosome biogenesis and telomere maintenance. Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA. This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1. Each rRNA can contain up to 100 pseudouridine ("psi") residues, which may serve to stabilize the conformation of rRNAs. May also be required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR200048