

Product datasheet for **MC210294**

Nop10 (NM_025403) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Nop10 (NM_025403) Mouse Untagged Clone
Tag: Tag Free
Symbol: Nop10
Synonyms: 1110036B12Rik; Nola3; NOP10P
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210294 representing NM_025403
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

CTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC**GGCGC**
GCCC

ATGTTTCTCCAATATTACCTCAACGAGCAGGGCGATCGCGTTTATACGCTGAAGAAATTTGACCCTATGG
GACAACAGACTTGCTCCGCCATCCTGCTCGGTTCTCCCCAGATGACAAATTTCAAGACACCGAATCAC
CATCAAGAAACGCTTCAAGGTGCTCATGACCCAGCAACCGCGTCTGTCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: AscI-MluI

ACCN: NM_025403

Insert Size: 195 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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).



[View online »](#)

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: 738 bp

RefSeq ORF: 195 bp

Locus ID: 66181

UniProt ID: [Q9CQS2](#)

Cytogenetics: 2 E3

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]