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Product datasheet for SC113406

NOP10 (NM_018648) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOP10 (NM_018648) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOP10
Synonyms:	DKCB1; NOLA3; NOP10P
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

```
>OriGene ORF sequence for NM_018648 edited
ATGTTTCTCCAGTATTACCTCAACGAGCAGGGAGATCGAGTCTATACGCTGAAGAAATTT
GACCCGATGGGACAACAGACCTGCTCAGCCCATCCTGCTCGGTTCTCCCCAGATGACAAA
TACTCTCGACACCGAATCACCATCAAGAAACGCTTCAAGGTGCTCATGACCCAGCAACCG
CGCCCTGTCCTCTGA
```

5' Read Nucleotide Sequence:

```
>OriGene 5' read for NM_018648 unedited
TTTACCCGCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGNGAGTCTATATAAGCAG
AGCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGCGAAT
TCGGCACGAGGGAATTGGGACCGCTGGCTTATAAGCGATCATGTTTCTCCAGTATTACCT
CAACGAGCAGGGAGATCGAGTCTATACGCTGAAGAAATTTGACCCGATGGGACAACAGAC
CTGCTCAGCCCATCCTGCTCGGTTCTCCCCAGATGACAAATACTCTCGACACCGAATCAC
CATCAAGAAACGCTTCAAGGTGCTCATGACCCAGCAACCGCGCCCTGTCCTCTGAGGGTC
CCTTAAACTGATGTCTTTTCTGCCGTCTGTTACCCCTCGCAGACTCCGTAACCAAACTCT
TCGGACTGTGAGCCCTGATGCCTTTTTGCCAGCCATACTCTTTGGCATCCAGTCTCTCGT
GGCGATTGATCATGCTTGTGTGAGGCAATCATGGTGGCATCACCCATAAAGGGAACACAT
TTGACTTTTTTTTCTCATATTTTAAATTACTACAAGATTATTAAAGATAAAATGATTTGA
ANAAAANAAAAAAAAAAACTCGACTCTAGATTGCGGCACGCGTCATAGCTGTTTCCTGAA
CAGATCCCGGNTGGCATCCTGTGACCCCCTCCCAGTGCCTCTCCTGGCCCTGGAAGTTGC
CACTCCAGTGCCCACAGCCCTGTCCCTATAAAATAAGTGCATCATTTTGTCTGACTAGGT
GTCCTCTATATATATGGGTGAGGGGGGGGTTTTTTTGNACCAGAGGGCAATTTGGAAAAA
CAACTGTAGGCCGGCGGGTCCATGGGAACCAGCCTGGATTGCATTGCCCCATCTTGCCTC
ATGAATCTTCGCTCCTGGGTAAAGCGATCCCTGGCAACCC
```


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3' Read Nucleotide Sequence:

```
>OriGene 3' read for NM_018648 unedited
NGGTCCTATTAGNACGCGCCGCATTCTANGATCGGTTTTTTTTTTTTTTTTTTTTTCAAA
TCATTTTATCTTTAATAATCTTGTAGTAATTTAAAATATGAGAAAAAAAAAGTCAAATGTG
TTCCCTTTATGGGTGATGCCACCATGATTGCCTCACACAAGCATGATCAATCGCCACGAG
AGACTGGATGCCAAAGAGTATGGCTGGCAAAAAGGCATCAGGGCTCACAGTCCGAAAAGT
TTGGTTACGGAGTCTGCGAGGGGTAACAGACGGCAGAAAAGACATCAGTTTAAGGGACCC
TCAAAGGACAGGGCGCGGTTGCTGGGTCATGAGCACCTTGAAGCGTTTCTTGATGGTGAT
TCGGTGTCGAGAGTATTTGTCATCTGGGGAGAACCGAGCAGGATGGGCTGAGCAGGTCTG
TTGTCCCATCGGGTCAAATTTCTTCAGCGTATAGACTCGATCTCCCTGCTCGTTGAGGTA
ATACTGGAGAAACATGATCGCTTATAAGCCAGCGGTCCCAATTCCCTCGTGCCGAATTCG
CGGCCGCCCTATAGTGAGTCGTATTACAAAATTCTGACGGTTCACTAAACGAGCTCTGCT
TATATAGACCTCCCACCGTACACGCCTACCGCCCATTTGCGTCAACGGGGCGGGGTTATT
ACGACATTTTGGAAAGTCCCGTTGATTTTGGTGCCAAAACAAACTCCCATTGACGTCAAT
GGGGTGGGAGACTTGGAAATCCCCGTGAGTCAAACCGCTATCCACGCCCATTGGTGTACT
GCCAAAACCGCATCACCATGGTAATAGCGATGACTAATACGTANATGTACTGCCAAGTTA
GAAAGCCCGTNAGGTCATGTACTGGGCATAATGCCAGG
```

Restriction Sites: NotI-NotI

ACCN: NM_018648

Insert Size: 4700 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).

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_018648.2, NP_061118.1

RefSeq Size: 556 bp

RefSeq ORF: 195 bp

Locus ID: 55505

UniProt ID: Q9NPE3

Cytogenetics: 15q14

Gene Summary: This gene is a member of the H/ACA snoRNPs (small nucleolar ribonucleoproteins) gene family. snoRNPs are involved in various aspects of rRNA processing and modification and have been classified into two families: C/D and H/ACA. The H/ACA snoRNPs also include the DKC1, NOLA1 and NOLA2 proteins. These four H/ACA snoRNP proteins localize to the dense fibrillar components of nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA production and rRNA pseudouridylation are impaired if any one of the four proteins is depleted. The four H/ACA snoRNP proteins are also components of the telomerase complex. This gene encodes a protein related to Saccharomyces cerevisiae Nop10p. [provided by RefSeq, Jul 2008]