

Product datasheet for **SC126240**

NOP10 (BC063023) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOP10 (BC063023) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOP10
Synonyms:	homolog of yeast Nop10p; MGC70651; NOLA3; NOP10 ribonucleoprotein homolog (yeast); NOP10P; nucleolar protein family A, member 3; nucleolar protein family A, member 3 (H/ACA small nucleolar RNPs)
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	<p>>OriGene sequence for BC063023 edited</p> <pre>GGCGGACCACTGCAGACTGAGCGGTGGACCGAATTGGGACCGCTGGCTTATAAGCGATCA TGTTTTCTCCAGTATTACCTCAACGAGCAGGGAGATCGAGTCTATACGCTGAAGAAATTTG ACCCGATGGGACAACAGACCTGCTCAGCCCATCCTGCTCGGTTCTCCCGAGTGACAAAT ACTCTCGACACCGAATCACCATCAAGAAACGCTTCAAGGTGCTCATGACCCAGCAACCGC GCCCTGTCCTCTGAGGGTCCCTTAAACTGATGTCTTTTCTGCCGTCTGTTACCCCTCGCA GACTCCGTAACCAAACCTTTCGGACTGTGAGCCCTGATGCCTTTTGGCCAGCCATACTCT TTGGCATCCAGTCTCTCGTGCGATTGATCATGCTTGTGTGAGGCAATCATGGTGGCATC ACCCATAAAGGGAACACATTTGACTTTTTTTTTCTCATTTTTTAAATTACTACAAGATTAT TAAAGATAAAATGATTTGAAAAAAAAAAAAAAAAAAAAA</pre>



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC063023 unedited GGGGGTTAGATTTGTATACGACTCACTATAGGCGGCCGCGNAATCAAATCTGGTACCGGT CCGGAATCCCAGGATATCGTCGACCCACGCGTCCGGGCGGACCACTGCAGACTGAGCGG TGGACCGAATTGGGACCCTGGCTTATAAGCGATCATGTTTCTCCAGTATTACCTCAACG AGCAGGGAGATCGAGTCTATACGCTGAAGAAATTTGACCCGATGGGACAACAGACCTGCT CAGCCCATCCTGCTCGGTTCTCCCAGATGACAAATACTCTCGACACCGAATCACCATCA AGAAACGCTTCAAGGTGCTCATGACCCAGCAACCGGCCCTGTCCTCTGAGGGTCCCTTA AACTGATGTCTTTTCTGCCGTCTGTTACCCTCGCAGACTCCGTAACCAAACCTTTCGGA CTGTGAGCCCTGATGCCTTTTTGCCAGCATACTCTTTGGCATCCAGTCTCTCGTGGCGA TTGATCATGCTTGTGTGAGGCAATCATGGTGGCATCACCCATAAAGGGAACACATTTGAC TTTTTTTTCTCATATTTAAATTACTACAAGATTATTAAGATAAAATGATTTGAAAAA AAAAAAAAAAAAAAGGGCGGCCGCGGTCAAGCTGTTTCTGAACAGATCCCCGGTGGCA TCCCTGTGACCCCTCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCAC CAGCCTTGTCTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGTCCTTCTATAA ATTATGGGGTGGAGGGGTGGGTTTGTGAACAAGGGCAAATTTGGGAAGACAACCCGATA GGCCTGCCGGTCCCACCGCAACACACCCGAATGAAGTGGCACAACCTTGCCCCCTGGAAT CTCG
Restriction Sites:	Please inquire
ACCN:	BC063023
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:	<ol style="list-style-type: none"> 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:	BC063023.1 , AAH63023.1
RefSeq Size:	518 bp
Locus ID:	55505
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]