

Product datasheet for **SC104634**

NOL5A (NOP56) (AK097186) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOL5A (NOP56) (AK097186) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOL5A
Synonyms:	NOL5A; SCA36
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for AK097186, the custom clone sequence may differ by one or more nucleotides

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CGAAGGGAAGTGAATGAGGACAAGCTGGAGAAGCTGGAGGAGCTGACAATGGATGGGGCCAAGGCTAAGG
CTATTCTGGATGCCTCACGGTCCTCCATGGGTGAGTGCAGAGCCTGGCAACCTGCATAAGGTATGGGGCT
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CGCTCCAAGATGAGCCAAGTAGCCCCAGCCTGTGAGCCCTAATTGGGGAAGCGGTGCGTACAGGGGAC
TCAAAAATGGGAGAATAAGGACTGTTGCCATGTGCACCTGCACTGCTGTATTTCTGTACCCACCATTGCT
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GAGGGCACCTGCCACAATCAGGTGCCACTTCTGGTGGCCACTGCTTGTGGGGGATCACGGTGATGGCT
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ACGGCCCCGGCAGAGATCTAGGTGTAGGATTTTCAACAGCAGAAACAAAGGATATGCTGCATCAAGCTG
TGGTCTTGAGTCCAGGCTTTTGGACTGAAACAAGGACCTGAAACATCTAAAACCTCTAGATTCTATA
GGAAGGAGATAGGTGCTGAACTTGTCAAGAGCCAGAGAGCTGGTTGTAGCTCACACCCGTTCCCTGGG
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TATTATCAGACGTGCGTCCGGAGGTGGTGTGTTTACAGTGGGGATGGGGGCAGGGAGGTCCCCAATGT
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GTTATACCCACACAATTAACCTATCCAGAAACACTGGGCAATGTTAACGACACGCGTTCCCTGCTTTG
GCTACTTAATTGCTGAAGATGTAATGAGCACTGTTCTCACAGCCTGTTCCCTGTCTTCCCTTTAGGAG
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TCAGCAGTGGGCCTGAAGAGGCGGTTGGCAAGAGCAGCTCCAAGAAAGAAGAAAAAGTTCCATAAAGCATC
CCAGGAAGATTAGAATGCAAATGGGCATTCTCTGGGAGGTGGGGCATACCATAGCCCAAGGTGACATTTCC
CACCTGTGCCGTGTTCCCAATAAAAACAAATTCACAAG
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for AK097186 unedited CCCCCCGGGGNNCNCNNCCNCCCTCCCCCNCNCCCNNGGGTC CGAGATTTGTNATACGACTTCACTATAGGGCGGCCGATTTCGGCACGAGGAGGATGA GTGAAAAACCCAAAAAGAAGAAAAGCAAAAGCCCCAGGAGGTTCTCAGGAGAAATGGAA TGGAAAGACCCATCTATCTTTTCTCAAACCAAGAAAAAGAAATCTTTTCCAAGGAGG AGTTGATGAGTAGCGATTTGAAGAGACCGCTGGCAGCACCAGTATTTCCAAGAGGAAGA AGTCTACACCCAAGGAGGAAACAGTTAATGACCCTGAGGAGGCAGGCCACAGAAGTGGCT CCAAGAAAAAGAGGAAATTCTCCAAGAGGAGCCGGTCAGCAGTGGGCCTGAAGAGGCGG TTGGCAAGAGCAGCTCCAAGAAGAAGAAAAAGTTCCATAAAGCATCCCAGGAAGATTAGA ATGCAAAATGGACATTCTCTGGGAGTGGGGCATACCATAGCCCAAGGTGACATTTCCAC CCTGTGCCGTGTTCCCAATAAAAACAAATTCACAAGAAAAAANNAANAAAAA AAAAAAAAAACCTCGACTCTAGATTGCGGCCGCGGTCTAGCTGTTTCTGAACAGATC CCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCTCTCCTGGCCCTGGAANGTGCCACTC CAGTGCCACCAGCCTTGTCTAAAAAATTAAGTTGCATATTTTGTCTGACTAGGTGTC CTTCTATATATTATGGGGTGGAGGGGGTGGTATGGANCAGGGGGCAAGTTGGGAAAA ACACCTGTAGGGCTGCGGGTCTATTGGGAACCAAGCTNAGTGCANTGGACAATCTGGC CTACTGCATCTCCGCTCCTGGTTCAAGCCGATCTCCTGCCTCAGCCTCCGATTGTT GA
Restriction Sites:	NotI-NotI
ACCN:	AK097186
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:	<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:	AK097186.1
RefSeq Size:	2981 bp
RefSeq ORF:	2981 bp
Locus ID:	10528
Cytogenetics:	20p13
Protein Families:	Stem cell - Pluripotency

Gene Summary:

Nop56p is a yeast nucleolar protein that is part of a complex with the nucleolar proteins Nop58p and fibrillarin. Nop56p is required for assembly of the 60S ribosomal subunit and is involved in pre-rRNA processing. The protein encoded by this gene is similar in sequence to Nop56p and is also found in the nucleolus. Expansion of a GGCCTG repeat from 3-8 copies to 1500-2500 copies in an intron of this gene results in spinocerebellar ataxia 36. Multiple transcript variants encoding several different isoforms have been found for this gene, but the full-length nature of most of them has not been determined. [provided by RefSeq, Jul 2016]