

Product datasheet for **SC116084**

NOL5A (NOP56) (NM_006392) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | NOL5A (NOP56) (NM_006392) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | NOL5A |
| Synonyms: | NOL5A; SCA36 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_006392, the custom clone sequence may differ by one or more nucleotides

```

ATGGTGCTGTTGCACGTGCTGTTTGTAGCACGCGGTGCGCTACGCGCTGCTGGCGCTGAAGGAAGTGGAGG
AGATCAGTCTGCTGCAGCCGAGGTGGAGGAGTCTGTGCTCAACCTGGGCAAATCCACAGCATCGTTCCG
TCTGGTGGCCTTTTGTCCCTTTGCCTCATCCCAGTTGCCTTGAAAATGCCAACGCCGTGTCTGAAGGG
GTTGTTTATGAGGACCTCCGCTGCTCTTGAGAGCCACCTGCCGTCCAAAAAGAAGAAAGTACTTTGG
GAGTTGGGGATCCCAAGATTGGTGCCGCAATACAGGAGGAGTTAGGGTACAACCTGCCAGACTGGAGGAGT
CATAGCTGAGATCCTGCGAGGAGTTCGTCTGCACTTCCACAATCTGGTGAAGGGTCTGACCGATCTGTCA
GCTTGTAAAGCACAGCTGGGGCTGGGACACAGCTATTCCCGTGCCAAAGTTAAGTTTAAATGTGAACCGGG
TGGACAATATGATCATCCAGTCCATTAGCCTCCTGGACCAGCTGGATAAGGACATCAATACCTTCTCTAT
GCGTGTACAGGAGTGGTACGGGTATCACTTTCCGGAGCTGGTGAAGATCATCAACGACAATGCCACATAC
TGCCGTCTTGCCAGTTTATTGAAAACCGAAGGGAAGTGAATGAGGACAAGCTGGAGAAGCTGGAGGAGC
TGACAATGGATGGGGCCAAGGCTAAGGCTATTCTGGATGCCTCACGGTCTCCATGGGCATGGACATATC
TGCCATTGACTTGATAAACATCGAGAGCTTCTCCAGTCTGTGGTGTCTTATCTGAATACCGCCAGAGC
CTACACACTTACCTGCGCTCCAAGATGAGCCAAGTAGCCCCAGCCTGTACGCCCTAATTGGGGAAGCGG
TAGGTGCACGTCTCATCGCACATGCTGGCAGCCTCACCAACTGGCCAAGTATCCAGCATCCACAGTGCAG
GATCCTTGGGGCTGAAAAGGCCCTGTTCCAGAGCCTGAAGACAAGGGGTAACACTCCAAAATATGGACTC
ATTTTCCACTCCACCTTATTGGCCGAGCAGCTGCCAAGAACAAGGCCGCATCTCCCGATACCTGGCAA
ACAAATGCAGTATTGCCACGAATCGATTGCTTCTCTGAGGTGCCACAGTGTATTGGGGAGAAGCT
TCGAGAACAAGTTGAAGAGCGACTGCTTCTATGAGACTGGAGAGATACCACGAAAGAATCTGGATGTC
ATGAAGGAAGCAATGGTTCAGGCAGAGGAAGCGCTGCTGAGATTACTAGGAAGCTGGAGAACAAGGAGA
AGAAAACGCTTAAAGAAGGAAAAGAACGCTGGCTGCACTTGCCCTCGCGTCTTCAAGAAAACAGCAGTAG
TACTCCAGAGGAGTGTGAGGAGATGAGTGA AAAACCCAAAAAGAAGAAAAGCAAAGGCCCAGGAGTT
CCTCAGGAGAATGGAATGGAAGACCCATCTATCTTTTCTCCAAACCAAGAAAAAGAAATCTTTTTCCA
AGGAGGAGTTGATGAGTAGCGATCTTGAAGAGACCGCTGGCAGCACCAAGTATTCCCAAGAGGAAGAAGTC
TACACCCAAGGAGGAAACAGTTAATGACCCTGAGGAGGCCAGGCCACAGAAGTGGCTCCAAGAAAAAGAGG
AAATTCTCCAAGAGGAGCCGGTACAGCAGTGGGCTGAAGAGGCGGTTGGCAAGAGCAGCTCCAAGAAGA
AGAAAAAGTTCCATAAAGCATCCAGGAAGATTAG
    
```

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006392 unedited

```

CTTAAATTTTGTAAATACGAACTCACTATAGGGCGGCCGCAATCGGCACGAGGCCGGAG
CTGGGCCATGGTGAGGAGTGGTTGCGGGGCGGGGCGACGCGACGGTGGGGTTTCGGC
CTGCGTTTCGGGCCGACAGAGGGCTGGCCTGGGCTGGGCTGCGCCTGCGCCTGCGC
CTGCCCTGGGAACGGGTTCCGGCAGACGCTGAGGTTGCGTTGACGCTCGCGCCCGGCTC
CGGTTCCAGGTGCTGTTGCACGTGCTGTTGAGCACGCGTCCGGTACCGCTGCTGGCG
CTGAAGGAAGTGGAGGAGATCAGTCTGCTGACGCCGAGGTGGAGGAGTCTGTGCTCAAC
CTGGGCAAATCCACAGCATCGTTCGTCTGGTGGCCTTTTGTCCCTTTGCCTCATCCAG
GTTGCCTTGAAAATGCCAACGCCGTGTCTGAAGGGGTTGTTTATGAGGACCTCCGCTG
CTTTGGAGACCCACCTGCCGTCCAAAAAGAAGAAAGTACTTTGGGAGTTGGGGATCCC
AAGATTGGTGCCGAATACAGGAGGAGTTAGGGTACAACCTGCCAGACTGGAGGAGTCATA
GCTGAGATCCTGCGAGGAGTTCGTCTGCACTTCCACAATCTGGTGAAGGGTCTGACCGAT
CTGTCAGCTTGTAAAGCACAGCTGGGGCTGGGACACAGCTATTCCCGTGCCAAAGTTAAG
TTTAAATGTGAACCGGGTGGACAATATGATCATCCAGTCCATTAGCCTNCTGGACCAGCTG
GATAAGGACATCAATACCTTCTCTATGCGTGTCAAGTAAAGTGCAGGNGCCACCCATATA
CTGGGAGCTTGNCTGNAGTCAGTAAATTTGAGTCTGGAGAAGACTGACATNCTGTGGG
TAAACCATGTGGCTTGGGCTCTGGGTGTAGCCTNCTGGGGCTACAAAAGGCTGNNGTCTA
ACTGATGT
    
```

Restriction Sites: NotI-NotI

| | |
|-------------------------------|--|
| ACCN: | NM_006392 |
| Insert Size: | 4520 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: | NM_006392.2 , NP_006383.2 |
| RefSeq Size: | 1992 bp |
| RefSeq ORF: | 1785 bp |
| Locus ID: | 10528 |
| UniProt ID: | O00567 |
| Cytogenetics: | 20p13 |
| Domains: | Nop |
| Protein Families: | Stem cell - Pluripotency |
| Gene Summary: | <p>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 GGCTG 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]</p> <p>Transcript Variant: This variant (1) represents the protein-coding transcript.</p> |