

## Product datasheet for **SC332653**

### **NOP2 (NM\_001258310) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** NOP2 (NM\_001258310) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** NOP2  
**Synonyms:** NOL1; NOP120; NSUN1; p120  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC332653 representing NM\_001258310.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

```

ATGGGGCGCAAGTTGGACCCTACGAAGGAGAAGCGGGGGCCAGGCCGAAAGGCCCGGAAGCAGAAGGGT
GCCGAGACAGAAGCTCGTCAGATTCTTGCCTGCAGTAAGTGACGAAAATCCAAGAGGCTGTCTAGTCGT
GCTCGAAAGAGGGCAGCCAAGAGGAGATTGGGCTCTGTTGAAGCCCTAAGACAAATAAGTCTCCTGAG
GCCAAACCATTGCCTGAAAAGCTACCAAAGGAGCTGTCCAGACAGCTGGTAAGAAGGGACCCAGTCC
CTATTTAATGCTCCTCGAGGCAAGAAGCGCCAGCACCTGGCAGTGATGAGGAAGAGGAGGAGGAAGAC
TCTGAAGAAGATGGTATGGTGAACCACGGGACCTCTGGGGCTCCGAGGACGATGCTGATACGGTAGAT
GACTATGGAGCTGACTCCAAGTCTGAGGATGAGGAGGAAGGTGAAGCGTTGCTGCCATTGAAAGAGCT
GCTCGGAAGCAGAAGGCCCGGAAGCTGCTGCTGGGATCCAGTGGAGTGAAGAGGAGACCCAGGACGAG
GAGGAAGAGAAAGAAGTGACCCCTGAGTCAGGCCCCCAAAGGTGGAAGAGGCAGATGGGGGCTGCAG
ATCAATGTGGATGAGGAACCAATTTGTGCTGCCCTGTGGGGAGATGGAGCAGGATGCCAGGCTCCA
GACCTGCAACGAGTTCACAAGCGGATCCAGGATATTGTGGGAATTCTGCGTGATTTTGGGGCTCAGCGG
GAGGAAGGGCGGTCTCGTTCTGAATACCTGAACCGGCTCAAGAAGGATCTGGCCATTTACTACTCCTAT
GGAGACTTCTGCTTGGCAAGCTCATGGACCTTCCCTCTGTCTGAGCTGGTGGAGTCTTAGAAGCT
AATGAGGTGCCTCGGCCGTACCCTCCGACCAATACCTTGAAAACCCGACGCCGAGACCTTGACACAG
GCTCTAATCAATCGTGGGGTAACTGGATCCCTGGGCAAGTGGTCAAAGACTGGACTAGTGGTGTAT
GATTCTTCTGTGCCATTGGTGCTACCCCGAGTACCTGGCTGGGCACTACATGCTGCAGGGAGCCTCC
AGCATGTTGCCCGTCATGGCCTTGGCACCCAGGAACATGAGCGGATCCTGGACATGTGTTGTGCCCT
GGAGGAAAGACCAGCTACATGGCCAGCTGATGAAGAACACGGGTGTGATCCTTGCCAATGACGCCAAT
GCTGAGCGGCTCAAGAGTGTGTGGCAACTTGCATCGGCTGGGAGTACCAACACCATTATCAGCCAC
TATGATGGGCGCCAGTTCCCAAGGTGGTGGGGGCTTTGACCGAGTACTGCTGGATGCTCCCTGCAGT
GGCACTGGGTGCTCCTCAAGGATCCAGCCGTGAAGACTAACAAGGATGAGAAGGACATCCTGCGCTGT
GCTCACCTCCAGAAGGAGTTGCTCCTGAGTGCTATTGACTCTGTCAATGCGACCTCAAGACAGGAGGC
TACCTGGTTTACTGCACCTGTTCTATCAGAGTAGAAGAGAATGAGTGGGTGGTAGACTATGCTCTGAAA
AAGAGGAATGTGCGACTGGTGCCACGGGCTTAGACTTTGGCCAGGAAGTTTTACCCGCTTTCCAGAA
AGGCGCTTCCACCCAGTCTGCGTTCTACCCGACGCTTCTACCCTCATACCCACAATATGGATGGGTTT
TTCATTGCCAAGTTCAAGAAATTTCCAATTCTATCCCTCAGTCCCAGACAGACGGTGTCTTGTCTTGT
CGCTCAGGCTGGACTGCAGTGGTGAATCTCAGCTCATTGCAACCTCCACCTTCCAGGTTCAAGCGATT
CTGTGCTCAGACTCCCAAGTAG
  
```



[View online »](#)

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001258310
<b>Insert Size:</b>	1887 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001258310.1</a>
<b>RefSeq Size:</b>	2826 bp
<b>RefSeq ORF:</b>	1887 bp
<b>Locus ID:</b>	4839
<b>UniProt ID:</b>	<a href="#">P46087</a>
<b>Cytogenetics:</b>	12p13.31
<b>MW:</b>	69.6 kDa
<b>Gene Summary:</b>	<p>Involved in ribosomal large subunit assembly (PubMed:24120868). S-adenosyl-L-methionine-dependent methyltransferase that specifically methylates the C(5) position of cytosine 4447 in 28S rRNA (Probable). May play a role in the regulation of the cell cycle and the increased nucleolar activity that is associated with the cell proliferation (Probable).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (5) contains an alternate internal exon in the 3' region, which results in a frameshift, compared to variant 1. The encoded isoform (4) is shorter and has a distinct C-terminus, compared to isoform 1.</p>