

## Product datasheet for **SC332652**

### **NOP2 (NM\_001258309) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NOP2 (NM_001258309) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOP2
Synonyms:	NOL1; NOP120; NSUN1; p120
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC332652 representing NM\_001258309.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGGCGCAAGTTGGACCCTACGAAGGAGAAGCGGGGGCCAGGCCGAAAGGCCCGGAAGCAGAAGGGT
GCCGAGACAGAACTCGTCAGATTCTTGCCTGCAGTAAGTGACGAAAATCCAAGAGGCTGTCTAGTCGT
GCTCGAAAAGAGGGCAGCCAAGAGGAGATTGGGCTCTGTTGAAGCCCCTAAGACAAATAAGTCTCCTGAG
GCCAAACCATTTGCTGGAAAGCTACCAAAGGGATCTCTGCAGGAGCTGTCCAGACAGTGGTAAGAAG
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CCAAGTAGCTGGGATTTACAGTTGCTGCCATTGAAAGAGCTGCTCGGAAGCAGAAGGCCCGGGAAGCT
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GACTCAGAATTGTCCACTGTACCTTCTGTCAAAAGACCCAAGCTTCTCCAGCTTCCAGGATAGCAGT
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GCAAAGGGAAGAAATCTCAGTCCAGGGCAACAGCCAGCTGCTGCTATCTAG
  
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**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001258309

**Insert Size:** 2538 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).

<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_001258309.1</a>
<b>RefSeq Size:</b>	2815 bp
<b>RefSeq ORF:</b>	2538 bp
<b>Locus ID:</b>	4839
<b>UniProt ID:</b>	<a href="#">P46087</a>
<b>Cytogenetics:</b>	12p13.31
<b>MW:</b>	92.9 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 (4) contains an alternate exon and uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (3) is longer than isoform 1.</p>