

## Product datasheet for **SC107409**

### NSUN6 (NM\_182543) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NSUN6 (NM_182543) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSUN6
Synonyms:	4933414E04Rik; ARL5B-AS1; NOPD1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC107409 sequence for NM\_182543 edited (data generated by NextGen Sequencing)

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ATGTCTATTTCCCTAAGATATCTTTGAGACCTGAGGTTGAAAACATCTTAAGGAAGGC
TTTATGAATAAGGAGATTGTGACTGCTTTAGGTAACAAGAAGCAGAAAGGAAGTTTAA
ACTTTGTTAAAGCACCTGTCACATCCTCCATCATTTACAACCTGTCAGAGTGAATACACAT
TTAGCCTCAGTACAACATGTGAAAAATCTGTTACTTGTGAACTTCAGAAGCAGTTTAAT
GGATTAAGTGTTCTTCTTCAACATCCAGACCTTCAAGATGTGTTACTTATTCCCTGTT
ATTGGACCCAGAAAGAATATTAACAAACACAGTGTGAAGCCATTGTTGGAGCCAGTGT
GGCAATGCAGTTTTAAGAGGAGCCCATGTCTATGCCCCAGGAATTGTGTGAGCATCACAA
TTTATGAAAGCTGGAGATGTTATTTCTGTATACTCTGATATTAAGGAAAATGTAAGAAA
GGAGCCAAAGAATTTGATGGAACAAAAGTATTTCTTGAAATGGGATTTCTGAACTAAGC
CGCAAAGAAATCTTCAGTGGATTACCTGAACTGAAAGGCATGGGCATAAGAATGACAGAA
CCAGTATATCTCAGCCCTTCATTTGACAGTGTACTGCCCGTTACTTATTTTTACAAAAT
TTGCCATCTGCCTTAGTAAGTCATGTACTAAATCCTCAACCTGGAGAGAAGATTCTAGAC
TTGTGTGCAGCACCTGGAGGGAAAACAACACACATTGCAGCACTAATGCATGATCAGGGA
GAAGTTATAGCACTGGATAAAATCTTCAACAAAGTAGAAAAAATCAAACAGAATGCCTTA
TTGTTAGGGCTGAATCCATCAGGGCATTGTTTGGTTGATGGAACAAGGCGGTTAAACTT
GATATGGTGGAGGACACAGAAGGAGAACCTCCATTTCTACCAGAAATCCTTTGACCGAATT
CTTCTGGATGCACCCTGTAGTGGAAATGGGACAGAGACCAAAACATGGCCTGTACTTGGTCT
GTGAAGGAAGTGGCATCATATCAGCCATTACAGCGAAAACCTTCACTGCAGCGGTTTCAG
CTGCTGAAGCCAGAGGGTGTGCTGGTTTATAGCACGTGCACTATAACACTGGCCGAAAAT
GAAGAACAGGTTGCCCTGGGCCCTGACAAAATTTCTTGCCTTCAGCTTCAGCCCCAGGAA
CCGCAGATTGGAGGAGAAGGAATGAGGGGAGCTGGGCTCATGTGAACAGTTGAAACAG
CTGCAGCGATTTGATCCATCGGCTGTGCCATTACCGGACACTGACATGGACTCTCTTAGA
GAGGCCAGAAGAGAAGACATGTTGCGTCTGGCTAATAAGGACTCTATAGTTTTTTTTATT
GCAAAAATTTGTAATGCAAAAGCACATAG
    
```

Clone variation with respect to NM\_182543.2

**5' Read Nucleotide Sequence:**

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>OriGene 5' read for NM_182543 unedited
ATTTTGTAAATACGACTCACTATAGGGCGCCGCGAATTCGGCACCAGCCGAGCTGCTGTC
AGCCTGGCTTACTGATCTGCGTCCGTTTACCACGGATTCAAGTACTAAGCATTGTTTTTC
TTTTTTGGTTCTTTGCAACGTGAGTGGCATTGGCTCATGTTCCATGAGCATCTCTACC
AGAAAACATTGCCTCGATGAGGTGTGGTGGAAAGCCCGCAGCCCTTCTAATCGGCTAGG
CTTGAGAAAGCGTGTACCTCTGCATTTCCGAAATTAACCTCAGCGTATCGGCAAGATTTT
CCTCAGCATCTGGTGTCAAGACACTCGTCACTATTAATTCGAAAAGAAAAAAAAAAAAACA
AAACACCGTTTTCCAGCATTTCTTTTGGGAGAACTAAACAACAGGAAAATGTCTATT
TTCCCTAAGATATCTTTGAGACCTGAGGTTGAAAACATCTTAAGGAAGGCTTTATGAAT
AAGGAGATTGTGACTGCTTTAGGTAACAAGAAGCAGAAAGGAAGTTTGAACCTTTGTTA
AAGCACCTGTCACATCCTNCATCATTTACAACCTGTCAGAGTGAATACACATTTAGCCTCA
GTACAACATGTGAAAAATCTGTTACTTGTGAACTTCAGAAGATTGCTTATTAGTTATCT
GTTGGATACTAGACCCTTTGGAAGAAGCAGAGTTCAGAGAGCTGGTACTGACGTTAA
TGGGATAAAAAGTGTCTATTCTTCAACATCCAGACCTTTCAGATGTGTTACTTATTCTG
TTATTGGACCCAGAAAGAATATAAAAAACACCAGTGTGAAGCCATTGTTTGGACCCACTG
TGGGCATGCAGTTTTAGAAGGCCATGTCTATGCCCAAGAATGTGTGAGCATAACAATTT
ATGAAGCCGAGATGATTTCTGATACTCTGATTAAGGGAAATGTAGAAGGAGCCCCAG
ATTNGATGAACAAAGATTTCTTGAATGGGATTCTGACCTAC
    
```

<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_182543 unedited NNNCGGTATTACTAAGNNACCGCGCCGCATTCTAGNGATCGATTTTTTTTTTTTTTTTTT TTTTCCCATCAAATATTGCTAATTTATTCTTTTGTAGATTCACTAATTTTTAACATTA AAAATGACTTGTACACTTTACAAATTAACATTAGATCACAAATGAAAATATGCTCCAG ACATCTATAGGCATCTGCTTTTCTTTATACTCTACTAAATACATAAAAAAAAAAATCTT TTAACAAACAGAAAATATAATCTCATACCACCCCTACTTCCTCTATGTCTCTGGATCCCT GGTAACACAGCTGGCAGCCTTTTCTGTTTCCATAGCAACCACATCATTCATTGAGTTGGCC TGACAACACTTTGGTTAAAAAAAAAAAAAAAAAACCACAGACAGCAAATGTTTGAAT TTTCAATTTCTGAGCATCCATCCCTCTCCTATGTGCTTTTGCATTTTACAAATTTTGAAT AAAAAACCTATAGAGTCCTTATTAGCCAGACGCAACATGTCTTCTCTTGGCCTCTCT AAAAAAGTCCATGTCAGTGTCCGGTAATGGCACAGCCGATGGATCAAATCGCTGCAGCTG TTTCAACTGTTACATGAAAGCCAGCTCCCTCATTCTCTCCTCCAATCTGCGGTTCT CTGGGGCTGAAGCTGAAGCAAGGAAATTTTGTGAGGGCCAGGCAACCTGTTCTTCTT TTCGGCCAGTGTATAGTGCACGTGCTATAAACCAGCACACCCTCTGGCTTCAGCAGCTG AACCGCTGCAGTGAAGAGTTTTGCTGTAAATGGCTGATATGATGCCACTTCTTACAGA CAAGTACAGGCCATGTTTGTCTCTGTCCATTCCACTACAGGGTGCATCCAGAAGAAA TTCGTCAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_182543
<b>Insert Size:</b>	2250 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>	<u><a href="#">NM_182543.1</a></u> , <u><a href="#">NP_872349.1</a></u>
<b>RefSeq Size:</b>	2246 bp
<b>RefSeq ORF:</b>	1410 bp
<b>Locus ID:</b>	221078
<b>UniProt ID:</b>	<u><a href="#">Q8TEA1</a></u>
<b>Cytogenetics:</b>	10p12.31
<b>Protein Families:</b>	Druggable Genome

**Gene Summary:** May have S-adenosyl-L-methionine-dependent methyl-transferase activity.[UniProtKB/Swiss-Prot Function]