

Product datasheet for **SC112064**

NSUN7 (NM_024677) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSUN7 (NM_024677) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSUN7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC112064 sequence for NM_024677 edited (data generated by NextGen Sequencing)

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ATGCTGAATTCACGGGCGAACTGGAGTTTTCGAACGAAGAAGATCCCGAGATCATCTCC
CAACTCACTTCCCTGCCTCTGTCCGGTGGGAAAAGCTCAGCTGGTGTGCCGAAAAAACG
GGCTATCCGGACTCCGTTTATGTCATGGCAGCCAACATTTTTCAGGGTATTCGAATCGAA
AAGTCGGCACAGAAAGTCTTAATCAAGTATGGGAATGAACCCCTCGGTCCTTGTCCGAG
TCTGAGGATCAGTCCTTTAGCGTTTGTCTTATGAGCTGGCTTTCAGTGCCTGAAATAT
CAAGATATTTGGAACTATATTGATAGACAGCTGTATCTTCCCAAGTACCACAATACCA
GATCATTTGAGCAGTCTTATTATTGTGATGCTATATGATTTCCAAGATAGAAAATTTCAA
ACTCGTGTCTTTCTGATAATGAAGAGCCCATATCAGAAGTTCAAGAAGTAGAGAACCTT
CTTAACAGTTTTAAGATAAAATTGGCTGCAGCATTGGCAAGATGTGCAATCAAGCATGAT
GCCCTTCAATTTACCACATCCTTCCAGAAACAGTTAGGAAACAGGAACTAAGGGCTCC
ACTTTACCCTTTATGCTTGGATAAATACTTGTAAATCAGCCCTGAAGAAGTTTATAAT
AATTTGAAGAGAAGAGGCTATAATAAAGTCAAATCTGTATTGCATATTGATGATAAAGTC
TTTGCTGTGGATCAACATTGCTATGATGTCTTAATTTTTCCATCTCATCTTAAAAATGAT
CTTATAAATATAGATCTTTTCAAAGATTACAACTTATATTTTCAGGACAAATCTCGAAGT
CTTGCTGTCCATTCTGTAAGGCTTTATTAATATGGATGATGATGTCTTAATGGTCAAT
ACAGGTTTCATGGTACACAGTTGCCACATGTCAATTTTAACAAATAATAACCTCAAAA
GTATTTGTGTGTGGAGTACAATCACAAGCTAAGGATCCTGACTTGAAGACCCTTTTACACA
AAAATAGGATGTAAAAATATTGAAATACTTCATGAGAAATTTATTAACATTGAATCAAAG
GATCACAGGTTACAGAAAGTTAAAGTGAATTTTGTCTGCTACCTCGTTGTTCCAGGACTGGG
GTTAGTAATCCAGTAGAATTTATTTTAAATGAACATGAAGATACAGAATTCCTTAAAGAT
CACTCTCAAGGAGGCATCTCAGTGGACAACTTACGTTCTTGCTCAACAGCAGTATGAA
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CGGGAGAAGAAGAAGAAAAAATCAAAAACATCATTGACAAAAGGTGCCACTACTGATAAT
GGCATCCAATGAAAATTGCTGAGTTCCGAAATCGAGAACTAAAGCCAGTGCTAATCTA
TCAGAGACTGTAACAAAACCACCTCTTCCCAGAAAAATACTGCTCAAGTGGGGGCTTCC
TCACAGACCAGAAAACCAACAAGCTGGCCCCCATCCTGCAGTGCCTGCATTTGTGAAG
AACGCTTGTCCCTCCAGACCCGCTGAACGGCAGACACACTTCTTAAGACCTCGGCCAGAA
GACAGAAATGGTTGCTCTGAAACCATCGAGATTGTTCTGCCTCCAGTCTTTATGCCATTT
TCAAGTCCCCAAGGGATCAGATCTCGGATGCCAACTCAACATTTGTACTGTGCTTGGGTT
GCACCAAGGCACTTGTGCCACCTGCCTTCCCACACACTCACTATCCAGAAAAGAGGAA
AAGCCTAAAGATGACACACCTTCTCCCTACTCAGGCCTCCTCGCGATGGCTTTGA
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Clone variation with respect to NM_024677.4
906 c=>t;922 t=>g;1864 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024677 unedited
 TGTAATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGTGAAGACCCGGTCCGG
 GAGCAGTCGACTGCCGGAGACTCGGGAGGCTGAGCTTTCCTCGGCCTGAGCCAGCCAGAC
 CCCGGGCACCCGCTCACCCCTTTCGCCGCCACGTCCGCGAAGGCTCACGCGCGAGGC
 CAGGCGAGGCCCGAGGCGCCACCCTTACGACACCCGAGCGAACCAGGCGCCAGAGG
 CTGGCACCCCTGCCCCGAATCCTGCCGGTGGGAGTGGCTGCATTTGAACCAAACGGCC
 TTCGCGGGCAGCAGCCGTCGCCCGCAGTCCCGGGCTCCCAAGGCTGTGACCGACGC
 CGCCTCCGCTTTCGTCCCGAAGCCCGGGAACCATCCGCCCTCGGGAGACCATGCT
 GCAGATGCGAGGAAAGCCGTTTCTGGAACATCGGAATTAACCCAGGGTGAAGGACT
 CACGACAGGCGAGGGCAGACATGCTGAATTCACGGGCGAACTGGAGTTTTCGAACGAA
 GAAGATCCCGAGATCATCTCCAACTACTTCCCTGCCTGTCCGGTGGGAAAAGCTCA
 GCTGGTGTGCCGAAAAAACGGCTATCCGACTCCGTTTATGTCATGGCAGCCAACATT
 NTTCAGGGTATTCGAATCGAAAAGTCGGCACAGAAAAGTCTTAATCAAGTATGGGAATGAA
 CCCCTGCGGTCTTGTCCGAGTCTGNAGATCAGTCTTTCAGCGTTNGTCTTATGAGCTG
 GCTNTCAGTGCCTGAAATATCAGAATTNTGGAACTATANGATAGACAGCTGTATCTTC
 CCAGTACCACATACAGATCATTTGAGCAGTCTTAATATTGGGATGCTNATATGATTNCCA
 GATAGAAAATNNCAAACCTCGTGTCTTTCTGATAATGAAGAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024677 unedited
 NNGGGTAATACTATGNNACCGCGCCGAATCTANGATCGAGTTTTTTTTTTTTTTTTTTT
 GTTTTTTTTTTTTTTTTACATTCAAAATGAATCGACATTTAATAATAATTAACATA
 GTGCTACAATATATTTAATTGTGCCTCAAAAATGATTTACCAAAGTTTGATTCTGTGTG
 CTATTTGAAATGACTTGTAGATTTTGTGTATCCCTGATCTTAGAATCAGAAATAATTT
 GTGGGTTTCTTCAACAATAGGTATCGCTTGCAATCAACAGTTTTGCCTCTTCTCAGAAT
 TATTAATATTTAGATGGAAATTTGCTCACAGTCTTTTGTAAACAGTGCTTGACATAGAGGA
 AGGGAGAGATGATTGTGTCCAGTCTGCTCAGGATCCTGGAAGCTCCCCAGTGAGAGACA
 CCTCACTGTAAGGAACCTGAGCTACACACCTGGCACTTGGGAACCTCCTGCGCTT
 CCTACTTAACTCACTTCACTCAGTACGTTACAAAACTCATGTTTCAATCCCTGTTCAAAGA
 ACAGCTTGATATTTAAGAAAAAATCACCTTGATCGTGACTGAGAAAGTCAGACTACAA
 CCGCATGGATGCTGAAGAGCGGTCAGCTGGCGGGAGAGGCCAGGATCGTTTGCCTGTTG
 GCTTTCTAATGAGCTACCTGCTGAAGGGAGGAGTGTTCCTTCCCTGCAGGGGAAACTT
 GGCAGCTTTAAGTCCAGCCTGAAAGTTCACAGGAGTGAGATAAGTTCTGACCGCTGATAC
 TGAGTCTCTAACTGGATCCTCTCAGAGCAGCAGTATTGGCTGAAGTCTCTGAATTCTGC
 TTTGCTGACTCTACATTATTGTTTCTCACTTGTCTGAATTCTCTGAAAAGTATATCACA
 CTTAGAAGATCCCCTAGTGACCN

Restriction Sites:

NotI-NotI

ACCN:

NM_024677

Insert Size:

4000 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:

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_024677.3](#), [NP_078953.2](#)

RefSeq Size: 3711 bp

RefSeq ORF: 1428 bp

Locus ID: 79730

Cytogenetics: 4p14

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

Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.