

Product datasheet for **MC220595**

Nsun7 (NM_027602) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsun7 (NM_027602) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nsun7
Synonyms:	4921525L17Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220595 representing NM_027602
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGGACCCAACGAGTGAAAGGGACCTTTTTGACCAAGAAAACATGGAGGAGATCTCCAACTCGCTT
 CCCTGGAGATGTCGGGGGATGTAGTCGCCAATACAACTTTCAACCGTGTCTAGAAAAACCCAGCTA
 CCCAGACTCCGTGTACGTTACGGCAGCGAACATTTTTTCAGGGTATTTCGGATCCAAAGTCCGCAGACAAA
 GTCATAATAAATTACGGAAGTGAACCCCTGCAGCCCTCCTCCTCCGCTCCGAGGATGAATCTTTCCAGC
 GCTTGTCTATGAGTTGGCTTTTCAGTACCCTGAAGTATCAAGATATTTTGGAAAGTATATTAATAGATAG
 CTATATCTTCTCAAGTACCACAATCGCAAGTCAAGTCAAGTCTTATCATTGTGATGCTGTATGACTTC
 CAAGACAGAAAATCCAGCCCCGATCCTTTCCGAGAATGAAGAGACCATACCAGAAGTTCAAGAAGTCCG
 AGAACCTTCTAAACGGCTTAAAGACAAAATTTGGCTGCAGCCTGGCGAGATGTCGAATCAAACACGACGC
 CCTCTCGATTTACCATATTCTGCCAGAGACAGTTAGGAAACAGGAACAAAGGGCCTCAACTTTGCCTCTT
 TATGCTTGGATAAATACCAGTAAAATAAGCCTTGAAGAAGTCTATAATAATTTGAGGAGGAAAGGTTACT
 CTAAGTCAAGTCTATAACGAGTGTCAATGAGAAAGTCTATGCAGTAGACCAGCACTGCTCAATGTCTT
 AATTTTCCAGCTCATCTCAAAACAGACCTTTTAAACATAGATCTCATAAAAGACTATAAACTTATTTTC
 CAGGACAAATCTCGAAGTCTTGGCGTCCACTCTGTGAAGGCTTTGATAAACATCGATGATGATGCTCTAA
 TGGTCAACACGGGTTTCGTGGTACACAGTTGCCCATATGTCATCTTAACAAGTGGTCACACTTCGAAAAT
 CTTTGTATGTGGAATAACAAGAAGAGAAGGATTTTAAATGCGAGGAACTTTTACAAGAATGGGATGT
 CAAAATATTGAAACTTACGAAAACATTTCTTAGCATTGAATCCAAAGATCACCGGTTACAGAATGTGA
 AGGTCATTCTGTTGCTACCTCGTGTTCAGCCTCGGTGCAGCAACCCAGTGGAAATTCATTCTAAATGA
 ACACGAAGATAAAAAGTTTACTTCAAGATCTTTCTCAAGGTGGTCTACCGAAAGATAAACTCGAGACTTTG
 GTTCAGCAGCAGTTTGAACAGCTAACACACGCAATGAAATTTACCAAAGTTCAAGCAATTGTCTATTGCA
 CATGTTCTGTTTCTAAAGAGGAAAATGAAGACGTTGTTGAGAAAGCACTGGAATATCAAAGCTCAGGGGT
 TAAAATGCAACCTTACAGACTCAGTCTCCTGTTCTCCCACTGTGCACCTAAAAGAGATAGAAGTGTCT
 ATGGATAGATTCTTCAGATTGGAACCATCTGATATGAACAATGGCTGTTTTCTTCTATCTTAACAAGAG
 AGCGGGACCCATCTGAGACAGTGCAGTGAAGACGTTCTGGCCAGGGCAGCAGCCAAAGGTCTACTGGA
 AGGGGTTGAGGTTGGGAAGACGCTCAAAAGGGACAAGAAGAGGAAAAAATCGAAAGCACTGCCATCCAGG
 GCTCCTCACCATGGGGACCCACTTCGCGACCATTGGCAGTGGATGGTAACGACACCAGCAACGTCCAAA
 TGAATAATCTCCGAGCTCTTGCACCGAGAAAGCAAGATAAGTACTTCAACAAAAATGTCCGCCCCAGCAAA
 GACTGTGTCTCAAGCCGGCACTTCTCCCAAGTCAGAAAGCCAGCAAGCCTTTATCGACCCCACTGGTG
 AGGAATTTTTCCAGGCCGGTAGAAAGGCCAACGAATTTGTGAGAGCGCGGCCAGAAGGCCAAAGTGATTC
 CTTTGAACCAATTGAAATCGTTCTGCCGCCAGTGATATCCATTGAGTTCCAGGGGCCAGGGTTCA
 GATGCCAGCCACCATTTTTATTACCGTTCATTGGATCAAGAGATTCTGCTCTTTTAGGACTCTTC
TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027602
Insert Size: 2103 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:	<u>NM_027602.2</u> , <u>NP_081878.1</u>
RefSeq Size:	2367 bp
RefSeq ORF:	2103 bp
Locus ID:	70918
UniProt ID:	<u>Q14AW5</u>
Cytogenetics:	5 C3.1
Gene Summary:	<p>This gene encodes a member of the NOL1/NOP2/sun domain RNA methyltransferase family. Mice with a mutation in this gene exhibit male sterility due to impaired sperm motility. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Nov 2014]</p> <p>Transcript Variant: This variant (3) lacks the 5' terminal exon and uses an alternate splice site in the 3' terminal exon resulting in a frameshift, compared to variant 1. The encoded isoform (3) has a distinct C-terminus and is shorter than isoform 1.</p>