

Product datasheet for **MR230940**

Nsun7 (NM_001302833) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsun7 (NM_001302833) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nsun7
Synonyms:	4921525L17Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>MR230940 representing NM_001302833
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTGGACCCAACGAGTGAAAGGGACCTTTTTGACCAAGAAAACATGGAGGAGATCTCCAACTCGCTT
CCCTGGAGATGTCGGGGGATGTAGTCGCCAATACAACTTTCAACCGTGTCTAGAAAAACCCAGCTA
CCCAGACTCCGTGTACGTTACGGCAGCGAACATTTTTTCAGGGTATTTCGGATCCAAAGTCCGCAGACAAA
GTCATAATAAATTACGGAAGTGAACCCCTGCAGCCCTCCTCCTCCGCTCCGAGGATGAATCTTTCCAGC
GCTTGTCTATGAGTTGGCTTTTCAGTACCCTGAAGTATCAAGATATTTTGGAAAGTATATTAATAGATAG
CTATATCTTCTCAAGTACCACAATCGCAAGTCAAGTCAAGTCTTATCATTGTGATGCTGTATGACTTC
CAAGACAGAAAATCCAGCCCCGATCCTTTCCGAGAATGAAGAGACCATACCAGAAGTTCAAGAAGTCG
AGAACCTTCTAAACGGCTTAAAGACAAAATTTGGCTGCAGCCTGGCGAGATGTCGAATCAAACACGACGC
CCTCTCGATTTACCATATTCTGCCAGAGACAGTTAGGAAACAGGAACAAAGGGCCTCAACTTTGCCTCTT
TATGCTTGGATAAATACCAGTAAAATAAGCCTTGAAGAAGTCTATAATAATTTGAGGAGGAAAGGTTACT
CTAAAGTCAAGTCTATAACGAGTGTCAATGAGAAAGTCTATGCAGTAGACCAGCACTGCTTCAATGTCTT
AATTTTCCAGCTCATCTCAAAACAGACCTTTTAAACATAGATCTCATAAAAGACTATAAACTTATTTTC
CAGGACAAATCTCGAAGTCTTGGCGTCCACTCTGTGAAGGCTTTGATAAACATCGATGATGATGTCTAA
TGGTCAACACGGGTTTCGTGGTACACAGTTGCCCATATGTCATCTTAAACAAGTGGTCACACTTCGAAAAT
CTTTGTATGTGGAATAACAACAAGAAGAGAAGGATTTTAAATGCGAGGAACTTTTACAAGAATGGGATGT
CAAAATATTGAAACTTACGAAACATTTCTTAGCATTGAATCCAAAGATCACCGGTTACAGAATGTGA
AGGTCATTCTGTTGCTACCTCGTGTCCAGCCTCGGTGTCAGCAACCCAGTGGAAATTCATTCTAAATGA
ACACGAAGATAAAAAGTTTACTTCAAGATCTTTCTCAAGGTGGTCTACCGAAAGATAAACTCGAGACTTTG
GTTCAGCAGCAGTTTGAACAGCTAACACACGCAATGAAATTTACCAAAGTTCAAGCAATTGTCTATTGCA
CATGTTCTGTTTCTAAAGAGGAAAATGAAGACGTTGTTGAGAAAGCACTGGAATATCAAAGCTCAGGGGT
TAAAATGCAACCTTACAGACTCAGTCTCCTGTTCTCCCACTGTGCACCCTAAAAGAGATAGAAGTGTCT
ATGGATAGATTCTTCAGATTGGAACCATCTGATATGAACAATGGCTGTTTTCTTCTATCTTAAACAAGAG
AGCGGGACCCATCTGAGACAGTGTCAAGTGAAGACGTTCTGGCCAGGGCAGCAGCCAAAGGTCTACTGGA
AGGGGTTGAGGTTGGGAAGACGCTCAAAAGGGACAAGAAGAGGAAAAAATCGAAAGCACTGCCATCCAGG
GCTCCTCACCATGGGGACCCACTTCGCGACCATTTGGCAGTGGATGGTAACGACACCAGCAACGTCCAAA
TGAAAATCTCCGAGCTTTGCACCGAGAAAGCAAGATAAGTACTTCAACAAAATGTCCGCCCCAGCAAA
GACTGTGTCTCAAGCCGGCACTTCTCCCAAGTCAGAAAGCCAGCAAGCCTTTATCGACCCCACTGGTG
AGGAATTTTTCCAGGCCGGTAGAAAGGCCAACGAATTTGTGAGAGCGCGGCCAGAAGGCCAAAGTGATTC
CTTTGAAACCAATTGAAATCGTTCTGCCGCCAGTGATATCCATTGAGTTCCAGGGGCCAGGGTTCA
GATGCCAGCCACCATTTTTATTACCGCTTCATTGGATCAAAGGACTCTTCTAGGGAGGACAGGATCAAT
AATTTCTGATAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR230940 representing NM_001302833
 Red=Cloning site Green=Tags(s)

MLDPTSERDLFDQENMEEISQLASLEMSGDVVANTNSSTVVLEKPSYPDSVYVTAANIFQGIQIRSPDK
 VIINYGSEPLQPSSSRSEDESQRLSYELAFSTLKYQDILESILIDSYIFSSTTIASQLNSLIIVMLYDF
 QDRKFQPRILSENEETIPEVQEVENLLNGFKTKLAAALARCRIKHDALSIYHILPETVRKQEQRASTLPL
 YAWINTSKI SLEEVYNNLRRKGYSKVKSITSVNEKVYAVDQHCNVLIFFAHLKTDLLNIDLIKDYKLIF
 QDKSRSLAVHSVKALINIDDDVLMVNTGSWYTVAHMSILTSGHTSKIFVCGIQEEDFNARKLFTRMGC
 QNIEILHETFLSIESKDHRLLQNVKIVILLPRCSSLGVSNPVEFILNEHEDKSLLDLSQGGPKDKLET
 VQQQFEQLTHAMKFTKVQAIIVYCTSVSKEENEDVVEKALEYQSSGVKMQPYRLSPPVLPCTLKEIELS
 MDRFFRLEPDMNNGCFLSILTRERDPSETVSVKDV LARAAAKGLLEGVEVGKTLKRDKRKKSKALPSR
 APHHGDPLRDHLAVDGNDSNVQMKISELLHRESKISTSTKMSAPAKTVSQAGTSSQVRKPSKPLSTPLV
 RNF SRPVERPTNFVRARPEGKVIPLKPIEIVLPPVIFPLSSQGPRVQMPATHFYRFIGSKDSSREDRIN
 NFLIK

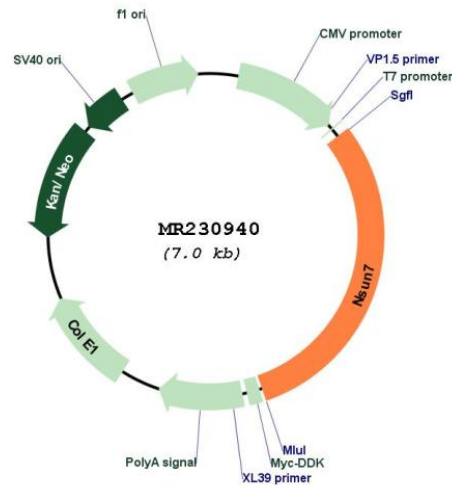
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001302833

ORF Size: 2115 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001302833.1](#), [NP_001289762.1](#)

RefSeq Size: 2772 bp

RefSeq ORF: 2118 bp

Locus ID: 70918

UniProt ID: [Q14AW5](#)

Cytogenetics: 5 C3.1

MW: 80.2 kDa

Gene Summary: 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]