OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG224834

Nsun5 (NM_145414) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsun5 (NM_145414) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nsun5
Synonyms:	9830109N13Rik; AI326939; Nol1r; Wbscr20; Wbscr20a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG224834 representing NM_145414
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGGCTGTACGCGGCCGCCGCGGCGGTGCTGGCCGGCGTGGAAAGCCGCCAGGGCTCCCTCAAGGGGT
TGGTGTATTCCAGCAACTTCCAGAACCTGAAGCAGTTGTACGCTCTGGTGTGCGAGACGCAGCGCTACTC
GGCCGTGCTGGACGCTGTCATCGCCAGTGCTGGGCTCCTTCGCGCCGAGAAGAAGCTGAGACCGCACCTT
GCCAAGGTGCTAGTGTATGAATTATTGCTGGGGAAGGGGTTTCGAGGGGGTGGAGGCCGATGGAAGGCTC
TGCTGGGCCGGCACCAGGCAAGGCTCAAGGCTGAGCTGGCCCGACTCAAGGTTCATCGGGGTGTGAGCCG
AAATGAGGACCTGTTGCAAGAGAGCTCCAGACCTGGCCAAGCCTACCAGGTACCACGGTTCGTGCGTGTG
AACACGCTCAAGACCCGCCCTGAGGATGCAATCGATTATTTCAAGAGACAAGGTTTCTCCTACCAGGGTC
GGGCTTCCAGCCTGGAAGACTTGCGAGCTCTCAAGGGGCAGCATTTTCTTTTGGATCCCTTGCTGCCTGA
GCTTCTTGTATTTCCTGCACAGACAGATCTGCACGAGCATCCACTCTACCGTGCTGGCCATCTCATCCTG
CAGGACAAGGCCAGCTGCCTCCCAGCCATGCTGCTGTCCCCCCCGCCAGGCTCCCATGTCATTGATGCCT
GTGCTGCCCCTGGTAACAAGACCAGCTACATTGCAGCCCTTCTAAAGAACCAGGGGAAGATCTTTGCTTT
CGACCAGGACGCTAAGCGGCTGGCAGCCATGGCGACGTTGGTGGCTCGGGCTGGGGTCTCTTGCTGCGAG
TTAGCAGAGAAGGACTTCCTGACAGTCTCTCCCTCTGACCAGCGTTACAGCCAGGTCCAGTACATCTTGC
TGGATCCTTCTTGTAGTGGCTCTGGCATGCTGAGCCGGCAGCTGGAGGAACATGGGGAAGGCACACCTAG
CAAGGAGCGCTTGCAGGCCTTGGCCGGGTTCCAGCAGCGGGCTCTGTGCCATGCACTTAGGTTCCCCTCT
CTGCAGCGCCTAGTCTACTCCACGTGTTCCCTTTGCCAAGAAGAGAATGAAGACGTGGTCCAGGAGGCTC
TACAGCACAACTCGGGGACATTCAGGTTGGCTCCTGTCCTACCCACATGGCCTCACCGAGGTCTGAGTAC
CTTTCCAGGGTCTGAACACTGCCTCCGGGCTTCCCCTGAGACCACGCTCACTGGTGGCTTCTTCATTGCT
GTGTTTGAACGTGCAGAGGTGGTACCAACCCCAGCCCCACAGACCGATGCAATGGATCCAGAACCTCTCA
GCCAAGTCCCAAAGAGAAAGAGAAGACGCAAAGCAGCAGTTGGTGCCAGCATGCAGCCAAGCACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

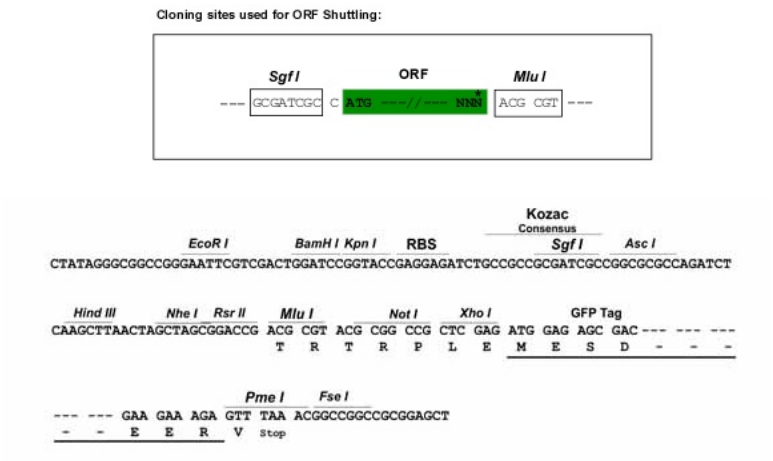
>MG224834 representing NM_145414
Red=Cloning site Green=Tags(s)

MGLYAAAAAVLAGVESRQGSLKGLVYSSNFQNLKQLYALVCETQRYSAVLDAVIASAGLLRAEKKLRPHL
AKVLVYELLLGKGFRGGGGRWKALLGRHQARLKAELARLKVHRGVSRNEDLLQESSRPGQAYQVPRFVRV
NTLKTRPEDAIDYFKRQGFSYQGRASSLEDLRALKGQHFLLDPLLPELLVFPAQTDLHEHPLYRAGHLIL
QDKASCLPAMLLSPPPGSHVIDACAAPGNKTSYIAALLKNQGKIFAFDQDAKRLAAMATLVARAGVSCCE
LAEKDFLTVSPSDQRYSQVQYILLDPSCSGSGMLSRQLEEHGEGTPSKERLQALAGFQQRALCHALRFPS
LQRLVYSTCSLCQEENEDVVQEALQHNSGTFRLAPVLPTWPHRGLSTFPGSEHCLRASPETTLTGGFFIA
VFERAEVVPTPAPQTDAMDPEPLSQVPKRKRRRKAAVGASMQPST

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

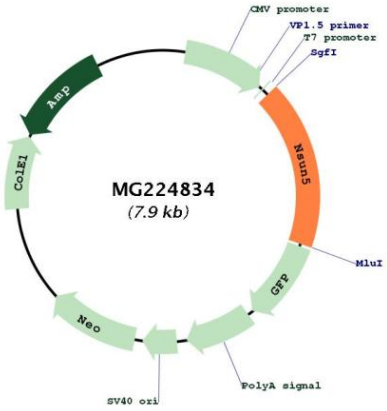
Cloning Scheme:



ACCN:	NM_145414
ORF Size:	1395 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_145414.2, NP_663389.2
RefSeq Size:	2242 bp
RefSeq ORF:	1398 bp
Locus ID:	100609
UniProt ID:	Q8K4F6
Cytogenetics:	5 G2

Gene Summary: S-adenosyl-L-methionine-dependent methyltransferase that specifically methylates the C(5) position of a cytosine in 28S rRNA.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG224834