

Product datasheet for **MR215986**

Nsun6 (NM_001165943) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsun6 (NM_001165943) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nsun6
Synonyms:	4933403D21Rik; 4933414E04Rik; NOPD1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR215986 representing NM_001165943
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTATGTATTTCCAAGATATCTTTGAGACCTGAAGTTGAAAATATCTCAAAGAGAGCTTTTTGAACG
 AGGAGGCTGTGTCTGCTTCAAGCAGACAAGAAGCAGAAAGGAAATTTGAGACTCTGCTGCTTCGCCGTGC
 ACACCCTCCGTCGATGACAAGTGTGAGAGTGAATACGCATTTAGGCTCAGTTCAGCATGTGAGAGTCTG
 CTGCTTGAAGAGCTCCAGAAGCAGTTTGGTGAATCCAGCATTCTGTTGTTGAGCATCCAGCCCTCCCGG
 ATGCTTTGCTCATCCCCATGACTGGACCAAGGAAGAATATAGAAAGACAACAGGGTGAAGTATTGTTGG
 CGCACAGTGTGGCAATGCAGTGTAAAGAGGGGCCATGTCTATGTTCCAGGAATTGTGTCAGCTTCAAAA
 TTTATGAAAGCTGGAGATGTTATTTCCGTGATTCTGATATTAACGGCAAATGTAAGAAAGGAGCCAAAG
 AATTTGATGGAATAAAGTATTTCTCGAAACGGAATTTCTGAAGTGAAGCCGAAAGATATCTTCAATGG
 GTTACCTGATCTGAAAGGTATAGGCATAAGAATGACAGAACCATATATCTCAGTCCCTCGTTTGACAAT
 GTTCTACCCAGTTATATATTTTTACAGAATTTACCATCTACAGTTGTAGCTCATGTTCTTGATCCTCAAC
 CTGGAGAGAAGATTCTAGAGATGTGTGCAGCCCTGGGGGCAAACTACACATACTGCAGCACTGATGCA
 GGACAAGGGAGAAGTAATAGCATTGGACAAAATATTGACAAAAGTGAACAACTGAAGCAGAATGCTTCA
 TTATTAGGGCTTCATTCTATCCGGGCATTTTGCTTCGATGCAACAAAGGCACTTAAGCTTGATACTACCG
 ATGGCATAAGAAGGGGGCCTCCATTCTTACCAGAACTTTTGACCGAATTATCCTTGATGCACCCTGCAG
 TGGAAATGGGACAGAGGCCAAATATGGCTTGTACTTGGACTTTAAAGGAAGTGACATCCTATCAGCCACTA
 CAGCGAAAACCTTTCATGTGGCAGTTCAACTCCTGAAGCCAGGGGAGTGTGGTCTACAGCACATGCA
 CAATAACCTTGGCAGAAAATGAAGAGCAAGTTGCCTGGGCCCTCCGAACATTTCCCTTCAGCTTCA
 ACCCCAGGAACACAGATTGGAGGAGAAGGGATGGTGGGAGCTGGCCTGACATTGGAGCAATTGAAGCAG
 CTGCAGCGATTTGATCCGTCTGTTGTACCACTGCAGAACATGGCACTGATTCTCTTGAGAGGCCAGAA
 GGGAAAGACATGATTTGGTTGGCCAAACAAGACTGTATAGGCTTCTTTATTGCAAAGTTTCTAAAATGTCA
 AAGCACAAAAGCGAAGGTTTCTCAGAAA

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215986 representing NM_001165943
 Red=Cloning site Green=Tags(s)

MYVFPKISLRPEVENYLKESFLNEEAVSASSRQEAEERKFETLLLRLSHPPSMTTVRVNTHLGSVQHVRGL
 LLEELQKQFGESSIPVVQHPALPDVLLIPMTGPRKNIERQQGEVIVGAQCGNAVLRGAHVYVPGIVSASK
 FMKAGDVISVYSDINGKCKKGAKEFDGTVFLNGISELSRKDIFNGLPDLKGIGIRMTEPIYLSPSFDN
 VLPSYIFLQNLPTVVAVHLDLPQGEKILEMCAAPGGKTTHTAALMQDKGEVIALDKILTKVNLKQNAS
 LLGLHSIRAFCFDATKALKLDTTDGIEGGPPFLPESFDRIILDAPCSGMGQRPNMACTWTLKEVTSYQPL
 QRKLLHVAVQLLKPGGVLVYSTCTITLAENEEQVAWALRTFPCLQLQPQEPQIGGEGMVGAGLTLEQLKQ
 LQRFDPVPLQNMDDSLGEARREDMIWLANKDCIGFFIAKFLKQSTKAKVSQK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

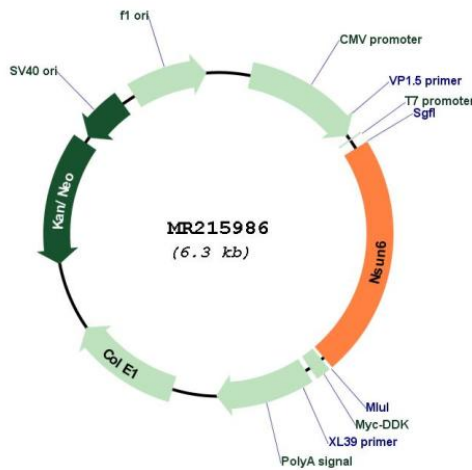
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001165943

ORF Size:

1428 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:	<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 Size:	2746 bp
RefSeq ORF:	1278 bp
Locus ID:	74455
Cytogenetics:	2 A2
MW:	46.8 kDa
Gene Summary:	May have S-adenosyl-L-methionine-dependent methyl-transferase activity.[UniProtKB/Swiss-Prot Function]