

Product datasheet for **MG207624**

Nsun6 (NM_028950) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nsun6 (NM_028950) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nsun6
Synonyms:	4933403D21Rik; 4933414E04Rik; NOPD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207624 representing NM_028950
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTATGTATTTCCAAGATATCTTTGAGACCTGAAGTTGAAAATATCTCAAAGAGAGCTTTTTGAACG
 AGGAGGCTGTGTCTGCTTCAAGCAGACAAGAAGCAGAAAGGAAATTTGAGACTCTGCTGCTCGCCTGTC
 ACACCCTCCGTCGATGACAACCTGCAGAGTGAATACGCATTTAGGCTCAGTTCAGCATGTGAGAGTCTG
 CTGCTTGAAGAGCTCCAGAAGCAGTTTGGTGAATCCAGCATTCTGTTGTTGAGCATCCAGCCCTCCCGG
 ATGCTTTGCTCATCCCCATGACTGGACCAAGGAAGAATATAGAAAGACAACAGGGTGAAGTGATTGTTGG
 CGCACAGTGTGGCAATGCAGTGTAAAGAGGGGCCATGTCTATGTTCCAGGAATTGTGTCAGCTTCAAAA
 TTTATGAAAGCTGGAGATGTTATTTCCGTGATTCTGATATTAACGGCAAATGTAAGAAAGGAGCCAAAG
 AATTTGATGGAATAAAGTATTTCTCGAAACGGAATTTCTGAAGTGAAGCCGAAAGATATCTTCAATGG
 GTTACCTGATCTGAAAGGTATAGGCATAAGAATGACAGAACCATATATCTCAGTCCCTCGTTTGACAAT
 GTTCTACCCAGTTATATATTTTTACAGAAATTTACCATCTACAGTTGTAGCTCATGTTCTTGATCCTCAAC
 CTGGAGAGAAGATTCTAGAGATGTGTGCAGCCCTGGGGGCAAACTACACATACTGCAGCACTGATGCA
 GGACAAGGGAGAAGTAATAGCATTGGACAAAATATTGACAAAAGTGAACAACTGAAGCAGAATGCTTCA
 TTATTAGGGCTTCACTTATCCGGGCATTTTGCTTCGATGCAACAAAGGCACTTAAGCTTGATACTACCG
 ATGGCATAAGAAGGGGGCCTCCATTCTTACCAGAACTTTTGACCGAATTATCCTTGATGCACCTGCGAG
 TGGAAATGGGACAGAGGCCAAATATGGCTTGTACTTGGACTTTAAAGGAAGTGACATCCTATCAGCCACTA
 CAGCGAAAACCTTTCATGTGGCAGTTCAACTCCTGAAGCCAGGGGAGTGTGGTCTACAGCACATGCA
 CAATAACCTTGGCAGAAAATGAAGAGCAAGTTGCCTGGGCCCTCCGAACATTTCCCTGCCTCAGCTTCA
 ACCCCAGGAACACAGATTGGAGGAGAAGGGATGGTGGGAGCTGGCCTGACATTGGAGCAATTGAAGCAG
 CTGCAGCGATTTGATCCGTCTGTTGTACCACTGCAGAACATGGCACTGATTCTCTTGAGAGGCCAGAA
 GGGAAAGACATGATTTGGTTGGCCAACAAAGACTGTATAGGCTTCTTTATTGCAAAGTTTCTAAAATGTCA
 AAGCACAAAAGCGAAGGTTTCTCAGAAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207624 representing NM_028950
 Red=Cloning site Green=Tags(s)

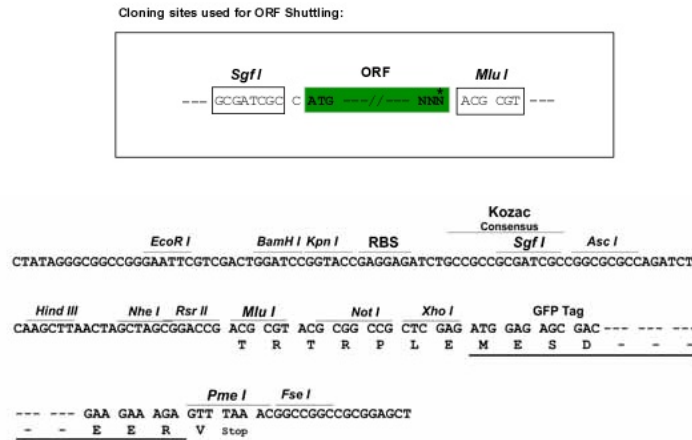
MYVFPKISLRPEVENYLKESFLNEEAVSASSRQEAERKFETLLLRLSHPPSMTTVRVNTHLGSVQHVHVRGL
 LLEELQKQFGESSIPVVQHPALPDVLLIPMTGPRKNIERQQGEVIVGAQCNAVLRGAHVYVPGIVSASK
 FMKAGDVISVYSDINGKCKKGAKEFDGTVFLGNGISELSRKDIFNGLPDLKGIGIRMTEPIYLSPSFDN
 VLPYSIFLQNLSTVVAHVLDLPQGEKILEMCAAPGGKTTHTAALMQDKGEVIALDKILTKVNLKQNAS
 LLGLHSIRAFCFDATKALKLDTTDIEGGPPFLPESFDRIILDAPCSGMGQRPNMACTWTLKEVTSYQPL
 QRKLLHVAVQLLKPGGVLVYSTCTITLAENEEQVAVALRTFPCLQLQPQEPQIGGEGMVGAGLTLEQLKQ
 LQRFDPVSVPLQNMDTDSLGEARREDMIWLANKDCIGFFIAKFLKCQSTKAKVSQK

TRTRPLE – GFP Tag – V

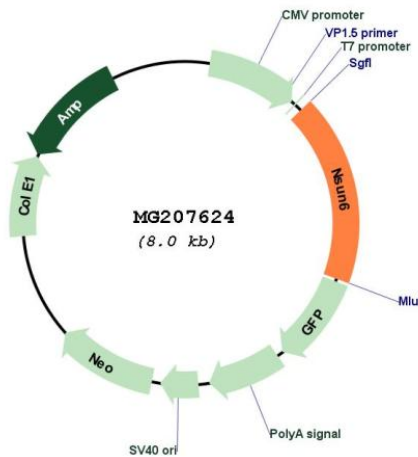
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_028950

ORF Size: 2926 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_028950.3](#)

RefSeq Size: 2923 bp

RefSeq ORF: 1431 bp

Locus ID: 74455

UniProt ID: [Q7TS68](#)

Cytogenetics: 2 A2

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