

Product datasheet for **RG207817**

NSUN6 (NM_182543) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSUN6 (NM_182543) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NSUN6
Synonyms:	4933414E04Rik; ARL5B-AS1; NOPD1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207817 representing NM_182543
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTATTTCCCTAAGATATCTTTGAGACCTGAGGTTGAAAATATCTTAAGGAAGGCTTTATGAATA
 AGGAGATTGTGACTGCTTTAGGTAACAAGAAGCAGAAAGGAAGTTTGAACTTTGTTAAAGCACCTGTC
 ACATCCTCCATCATTACAACCTGTCAGAGTGAATACACATTTAGCCTCAGTACAACATGTAAAAATCTG
 TTACTIONTGAACCTCAGAAGCAGTTTAAATGGATTAAGTGTCTATTCTTCAACATCCAGACCTCAAG
 ATGTGTTACTTATTCTGTTATTGGACCCAGAAAGAATATTAACAAACAGTGTGAAGCCATTGTTGG
 AGCCAGTGTGGCAATGCAGTTTAAAGAGGAGCCCATGTCTATGCCCCAGGAATTGTGTCAGCATCACAA
 TTTATGAAAGCTGGAGATGTTATTTCTGTATACTCTGATATTAAGGAAAATGTAAGAAAGGAGCCAAAG
 AATTTGATGGAACAAAAGTATTTCTTGAAATGGGATTTCTGAACTAAGCCGCAAAGAAATCTTCAGTGG
 ATTACCTGAACTGAAAGGCATGGGCATAAGAATGACAGAACAGTATATCTCAGCCCTTCATTTGACAGT
 GTACTGCCCGTTACTTATTTTTACAAAATTTGCCATCTGCCTTAGTAAGTCATGTACTAAATCCTCAAC
 CTGGAGAGAAGATTCTAGACTTGTGTGCAGCACCTGGAGGGAAAACAACACACATTGCAGCACTAATGCA
 TGATCAGGGAGAAGTTATAGCACTGGATAAAATCTTCAACAAAGTAGAAAAATCAAACAGAATGCCTTA
 TTGTTAGGGCTGAATCCATCAGGGCATTTTGTGTTGATGGAACAAAGGCGGTTAAACTTGATATGGTGG
 AGGACACAGAAGGAGAACCTCCATTTCTACCAGAAATCCTTTGACCGAATCTTCTGGATGCACCTGTAG
 TGGAAATGGGACAGAGACCAACATGGCCTGTACTTGGTCTGTGAAGGAAGTGGCATCATACAGCCATTA
 CAGCGAAAATCTTCACTGCAGCGGTTCACTGCTGAAGCCAGAGGGTGTGCTGGTTTATAGCACGTGCA
 CTATAACACTGGCCGAAAATGAAGAACAGTGTGCTGGGCCCTGACAAAATTTCCCTTCAGTTCA
 GCCCAGGAACCGCAGATTGGAGGAGAAGGAATGAGGGGAGCTGGGCTCTCATGTGAACAGTTGAAACAG
 CTGCAGCGATTTGATCCATCGGCTGTGCCATTACCGGACACTGCATGGACTCTCTTAGAGAGGCCAGAA
 GAGAAGACATGTTGCGTCTGGCTAATAAGGACTCTATAGGTTTTTTTATTGCAAAAATTTGAAAATGCAA
 AAGCACA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207817 representing NM_182543
 Red=Cloning site Green=Tags(s)

MSIFPKISLRPEVENYLKEGFMNKEIVTALGKQEAERKFETLLKHL SHPPSFTTVRVNTHLASVQHVKNL
 LLDELQKQFNGLSVPILQHPDLQDVLLIPVIGPRKNIKKQCEAIVGAQCNAVLRGAHVYAPGIVSASQ
 FMKAGDVISVYSDIKGKCKGKAKEFDGTVFLGNGISELSRKEIFSGLPELKGGMIRMTEPVYLSPSFDS
 VLPYRFLQNLPSALVSHVLNPPQGEKILDLCAAPGGKTTTHIAALMHDQGEVIALDKIFNKVEKIKQNAL
 LLGLNSIRAFCFDGTAKVKLDMVEDTEGEPFPLPESFDRILLDAPCSGMGQRPNMACTWSVKEVASYQPL
 QRKLFATAAVQLLKPEGVLVYSTCTITLAENEEQVAWALTKFPCLQLQPQEPQIGGEGMRGAGLSCEQLKQ
 LQRFDPASVPLPDTDMDSLREARREDMLRLANKDSIGFFIAKFKCKST

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_182543

ORF Size: 1407 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_182543.5](#)

RefSeq Size: 2246 bp

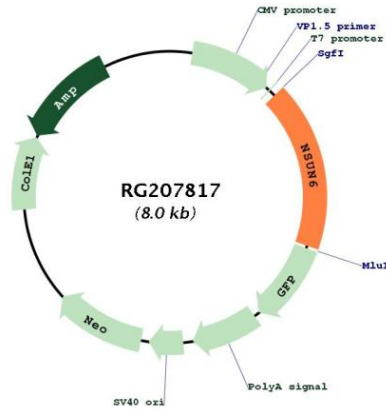
RefSeq ORF: 1410 bp

Locus ID: 221078

UniProt ID: [Q8TEA1](#)

Cytogenetics: 10p12.31
 Protein Families: Druggable Genome
 Gene Summary: May have S-adenosyl-L-methionine-dependent methyl-transferase activity.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG207817