

Product datasheet for **RC213105**

NSUN5 (NM_018044) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | NSUN5 (NM_018044) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | NSUN5 |
| Synonyms: | NOL1; NOL1R; NSUN5A; p120; p120(NOL1); WBSCR20; WBSCR20A |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide
Sequence:

>RC213105 representing NM_018044
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGGGCTGTATGCTGCAGCTGCAGGCGTGTGGCCGGCTGGAGAGCCGCCAGGGCTCTATCAAGGGGT
TGGTGTACTCCAGCAACTTCCAGAACGTGAAGCAGCTGTACGCGCTGGTGTGCGAAACGCAGCGCTACTC
CGCGTGTCTGGATGCTGTGATCGCCAGCGCCGGCTCCTCCGTGCGGAGAAGAAGCTGCGGCCGCACCTG
GCCAAGGTGCTAGTGTATGAGTTGTTGTTGGAAAGGGCTTTCGAGGGGGTGGGGCCGATGGAAGGCTC
TGTGGGGCCGGCACCAGGCGAGGCTCAAGGCTGAGTTGGCTCGGCTCAAGTTTCATCGGGGTGTGAGCCG
GAATGAGGACCTGTTGGAAGTGGGATCCAGGCCTGGTCCAGCCTCCAGCTGCCTCGATTTGTGCGTGTG
AACACTCTCAAGACCTGCTCCGATGATGTAGTTGATTATTTCAAGAGACAAGTTTCTCCTATCAGGGTC
GGGCTTCCAGCCTCGATGACTTACGAGCCCTCAAGGGGAAGCATTTTCTCCTGGACCCCTTGATGCCGA
GCTGCTGGTGTTCGCGCCAGACAGATCTGCATGAACACCCACTGTACCGGGCCGGACACCTCATTCTG
CAGGACAGGGCCAGCTGTCTCCAGCCATGCTGCTGGACCCCGCCAGGCTCCCATGTCATCGATGCTCT
GTGCCGCCAGGCAATAAGACCAGTCACTTGGCTGCTTCTGAAGAACCAAGGGAAGATCTTTCGCTT
TGACCTGGATGCCAAGCGGCTGGCATCCATGGCCACGCTGCTGGCCCGGGCTGGCGTCTCTTGTGTGAA
CTGGCTGAGGAGGACTTCTGGCGGTCTCCCCCTCGGATCCACGCTACCATGAGGTCCACTACATCCTGC
TGGATCCTTCTCGAGTGGCTCGGGTATGCCGAGCAGACAGCTGGAGGAGCCCGGGCAGGCACACCTAG
CCCGGTGCGTCTGCATGCCCTGGCAGGGTTCAGCAGCGAGCCCTGTGCCACGCGCTCACTTCCCTTCC
CTGCAGCGGCTCGTCTACTCCACGTGCTCCCTCTGCCAGGAGGAGAATGAAGACGTGGTGGCAGATGCGC
TGCAGCAGAACC CGGGCCCTTTCAGGCTAGCTCCCGCCCTGCCTGCCTGGCCCCACCGAGGCTGAGCAC
GTTCCCGGTGCCGAGCACTGCCTCCGGCCCTCCCTGAGACCACACTCAGCAGTGGCTTCTTCTGTTGCT
GTAATTGAACGGGTGCGAGGTGCCAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC213105 representing NM_018044
Red=Cloning site Green=Tags(s)

MGLYAAAAGVLAGVESRQGSIKGLVYSSNFQNVKQLYALVCETQRYSAVLDAVIASAGLLRAEKKLRPHL
AKVLYEYELLGKGFRRGGGRWKALLGRHQARLKAELARLKVHRGVS RNEDLLEVGSRPGPASQLPRFVRV
NTLKTCSDDVDVYFKRQGF SYQGRASSLDDL RALKGKHFLLDPLMPELLVFPAQTDLHEHPLYRAGHLIL
QDRASCLPAMLLDPPPGSHVIDACAAPGNKTSHLAALLKNQKIFAFDLDAKRLASMATLLARAGVSCCE
LAEEEDFLAVSPDPRYHEVHYILLDPSCSGSGMPSRQLEEPGAGTSPVRLHALAGFQQRALCHALTFPS
LQRLVYSTCSLCQEENEDVVRDALQQNPGAFRLAPALPAWPHRGLSTFPGA EHCLRASPETTLSSGFFVA
VIERVEVPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8059_c03.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_018044

ORF Size: 1287 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_018044.3](#)
RefSeq Size: 1717 bp

RefSeq ORF: 1290 bp

Locus ID: 55695

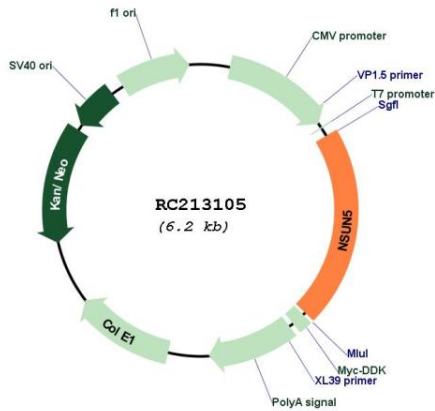
UniProt ID: [Q96P11](#)
Cytogenetics: 7q11.23

Domains: Nol1_Nop2_Sun

MW: 46.5 kDa

Gene Summary: This gene encodes a member of an evolutionarily conserved family of proteins that may function as methyltransferases. This gene is located in a larger region of chromosome 7 that is deleted in Williams-Beuren syndrome, a multisystem developmental disorder. There are two pseudogenes for this gene located in the same region of chromosome 7. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2013]

Product images:



Circular map for RC213105