

## Product datasheet for **RG213105**

### NSUN5 (NM\_018044) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NSUN5 (NM_018044) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NSUN5
Synonyms:	NOL1; NOL1R; NSUN5A; p120; p120(NOL1); WBSCR20; WBSCR20A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213105 representing NM_018044 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGCTGTATGCTGCAGCTGCAGGCGTGTGGCCGGCGTGGAGAGCCGCCAGGGCTCTATCAAGGGGT  
TGGTGTACTCCAGCAACTCCAGAACGTGAAGCAGCTGTACGCGCTGGTGTGCGAAACGCAGCGCTACTC  
CGCCGTGCTGGATGCTGTGATCGCCAGCGCCGGCCTCCTCCGTGCGGAGAAGAAGCTGCGGCCGCACCTG  
GCCAAGGTGCTAGTGTATGAGTTGTTGTTGGGAAAGGGCTTTCGAGGGGGTGGGGCCGATGGAAGGCTC  
TGTGGGGCCGGCACCAGGCGAGGCTCAAGGCTGAGTTGGCTCGGCTCAAGGTTTCATCGGGGTGTGAGCCG  
GAATGAGGACCTGTTGGAAGTGGGATCCAGGCCTGGTCCAGCCTCCAGCTGCCTCGATTGTGCGTGTG  
AACACTCTCAAGACCTGCTCCGATGATGTAGTTGATTATTTCAAGAGACAAGGTTTCTCCTATCAGGGTC  
GGGCTTCCAGCCTCGATGACTTACGAGCCCTCAAGGGGAAGCATTTTCTCCTGGACCCCTTGATGCCGGA  
GCTGCTGGTGTTCGCCCCAGACAGATCTGCATGAACACCCACTGTACCGGGCCGGACACCTCATTCTG  
CAGGACAGGGCCAGCTGTCTCCAGCCATGCTGCTGGACCCCGCCAGGCTCCCATGTCATCGATGCT  
GTGCCGCCAGGCAATAAGACCAGTCACTTGGCTGCTCTTCTGAAGAACCAAGGAAGATCTTTGCCTT  
TGACCTGGATGCCAAGCGGCTGGCATCCATGGCCACGCTGCTGGCCCGGGCTGGCGTCTCTTGTGTGAA  
CTGGCTGAGGAGACTTCTGGCGGTCTCCCCCTCGGATCCACGCTACCATGAGGTCACATACATCCTGC  
TGGATCCTTCTGCAAGTGGCTCGGGTATGCCGAGCAGACAGCTGGAGGAGCCCGGGCAGGCACACCTAG  
CCCGGTGCGTCTGCATGCCCTGGCAGGGTTCAGCAGCGAGCCCTGTGCCACGCGCTCACTTTCCCTTCC  
CTGCAGCGGCTCGTCTACTCCACGTGCTCCCTCTGCCAGGAGGAGAATGAAGACGTGGTGCAGATGCGC  
TGCAGCAGAACCCGGGCGCCTTCAAGGCTAGCTCCCGCCTGCCTGCCTGGCCCCACCGAGGCTGAGCAC  
GTTCCCGGGTCCGAGCACTGCCTCCGGGCTCCCTGAGACCACACTCAGCAGTGGCTTCTTCTGTTGCT  
GTAATTGAACGGGTCGAGGTGCCAAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**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

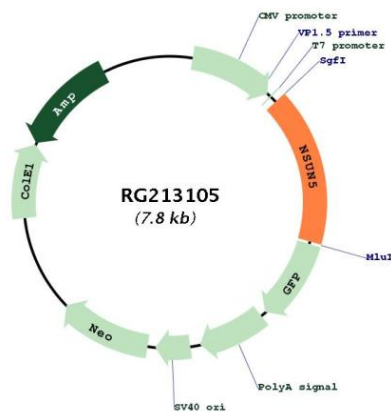
**UniProt ID:** [Q96P11](#)

**Cytogenetics:** 7q11.23

**Domains:** Nol1\_Nop2\_Sun

**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 RG213105