

Product datasheet for **SC319490**

NSUN5 (NM_148956) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSUN5 (NM_148956) Human Untagged Clone
Tag:	Tag Free
Symbol:	NSUN5
Synonyms:	NOL1; NOL1R; NSUN5A; p120; p120(NOL1); WBSCR20; WBSCR20A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_148956.1
TAAAGGCGCGCGGAACATGGGGCTGTATGCTGCAGCTGCAGGCGTGTGGCCGGCGTGG
AGAGCCGCCAGGGCTCTATCAAGGGGTTGGTGTACTCCAGCAACTCCAGAACGTGAAGC
AGCTGTACGCGCTGGTGTGCGAAACGCAGCGCTACTCCGCCGTGCTGGATGCTGTGATCG
CCAGCGCCGGCCTCCTCCGTGCGGAGAAGAAGCTGCGGCCACCTGGCCAAGGTGCTAG
TGTATGAGTTGTTGTTGGAAAGGGCTTTCGAGGGGTGGGGCCGATGGAAGGCTCTGT
TGGCCCGCACCCAGGCGAGGCTCAAGGCTGAGTTGGCTCGGCTCAAGGTTTCATCGGGGTG
TGAGCCGGAATGAGGACCTGTTGGAAGTGGATCCAGGCCTGGTCCAGCCTCCCAGCTGC
CTCGATTGTGCGTGTGAACACTCTCAAGACCTGCTCCGATGATGTAGTTGATTATTCA
AGAGACAAGGTTTCTCCTATCAGGGTCGGGCTTCCAGCCTCGATGACTTACGAGCCCTCA
AGGGGAAGCATTTTCTCCTGGACCCCTTGTGCGGAGCTGCTGGTGTTCGCCCCAGA
CAGATCTGCATGAACACCCACTGTACCGGGCCGGACACCTCATTCTGCAGGACAGGGCCA
GCTGTCTCCAGCCATGCTGCTGGACCCCGCCAGGCTCCCATGTCATCGATGCCTGTG
CCGCCCCAGGCAATAAGACCAGTCACTTGGCTGCTCTTCTGAAGAACCAAGGGAAGATCT
TTGCCTTTGACCTGGATGCCAAGCGGCTGGCATCCATGGCCACGCTGCTGGCCCGGGCTG
GGTCTCTTGCTGTGAACTGGCTGAGGAGGACTTCTGGCGGTCTCCCCCTCGGATCCAC
GCTACCATGAGGTCCACTACATCCTGCTGGATCCTTCTGCAGTGGCTCGGGTATGCCGA
GCAGACAGCTGGAGGAGCCCGGGCAGGCACACCTAGCCCGGTGCGTCTGCATGCCTGG
CAGGGTTCCAGCAGCGAGCCCTGTGCCACGCACTCACTTCCCTTCCCTGCAGCGGCTCG
TCTACTCCACGTGCTCCCTCTGCCAGGAGGAGAATGAAGACGTGGTGGAGATGCGCTGC
AGCAGAACCCGGGCGCCTTCAGGCTAGCTCCCGCCCTGCCTGCCTGGCCCCACCGAGGCC
TGAGCACGTTCCCGGGTCCGAGCACTGCCTCCGGGCTCCCTGAGACCACACTCAGCA
GTGGCTTCTTCGTTGCTGTAATTGAACGGGTCGAGGTGCCAAGCTCAGCCTCACAGGCCA
AAGCATCAGCACCAAGACGCACACCCAGCCAGCCCAAAGAGAAAGAAGAGACAGCAAA
GAGCCGACGCGGTGCTTGCACACCGCCTTGCACATAGCAGAGGCTCCGGGCTGACTCCT
TCCTGGTGGGAAAGGATGCCTGTCCTCTCCGTGGAGGACCCTGGGCCCTCACCGCAG
GAAGCAGTTTGGGTTTTGAAAGTTATTGGGTCCCTTCTTGGGCTGTGTTCTTGCTGGT
GAGCAAAGTGTTCCTGCAAAAAATAAATGCAGAACGTACTCTAAAAAAAAAAAAAAAAAA
AAAAAAA

Restriction Sites: Please inquire

ACCN: NM_148956

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_148956.1](#), [NP_683759.1](#)

RefSeq Size: 1647 bp

RefSeq ORF: 1401 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]

Transcript Variant: This variant (1) encodes isoform 1.