

Product datasheet for RC229982

NSUN5 (NM_001168348) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NSUN5 (NM_001168348) 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)
ORF Nucleotide Sequence:	>RC229982 representing NM_001168348 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGGGCTGTATGCTGCAGCTGCAGGCGTGTGGCCGGCGTGGAGAGCCGCCAGGGCTCTATCAAGGGGT
TGGTGTACTCCAGCAACTCCAGAACGTGAAGCAGCTGTACGCGTGGTGTGCGAAACGCAGCGCTACTC
CGCCGTGCTGGATGCTGTGATCGCCAGCGCCGGCCTCCTCCGTGCGGAGAAGAAGCTGCGGCCGCACCTG
GCCAAGGTTTCATCGGGGTGTGAGCCGGAATGAGGACCTGTTGGAAGTGGGATCCAGGCCTGGTCCAGCCT
CCCAGTGCCTCGATTTGTGCGTGTGAACACTCTCAAGACCTGCTCCGATGATGTAGTTGATTATTTCAA
GAGACAAGGTTTCTCCTATCAGGGTTCGGCTTCCAGCCTCGATGACTTACGAGCCCTCAAGGGGAAGCAT
TTTCTCCTGGACCCCTTGATGCCGGAGCTGCTGGTGTTCGCCGCCAGACAGATCTGCATGAACACCCAC
TGTACCGGGCCGGACACCTCATTCTGCAGGACAGGGCCAGCTGTCTCCAGCCATGCTGTGGACCCCC
GCCAGGCTCCCATGTCATCGATGCCTGTGCCGCCAGGCAATAAGACCAGTCACCTGGCTGCTCTTCTG
AAGAACCAAGGGAAGATCTTGCCTTTGACCTGGATGCCAAGCGGCTGGCATCCATGGCCACGCTGCTGG
CCCGGGCTGGCGTCTCTTGTGTGAACCTGGCTGAGGAGGACTTCTGGCGGTCTCCCCCTCGGATCCAGC
CTACCATGAGGTCCACTACATCTGCTGGATCCTTCTGCACTGGCTCGGATGCGCCAGGAGGTTCCAGCAGCGAGCCC
GAGGAGCCCGGGCAGGCACACCTAGCCCGGTGCGTCTGCATGCCCTGGCAGGTTCCAGCAGCGAGCCC
TGTGCCACGCGCTCACTTCCCTTCCCTGCAGCGGCTCGTCTACTCCACGTGCTCCCTCTGCCAGGAGGA
GAATGAAGACGTGGTGCAGATGCGCTGCAGCAGAACCAGGGCGCCTTCAGGCTAGCTCCCGCCCTGCCT
GCCTGGCCCCACCGAGGCTGAGCACGTTCCCGGGTCCGAGCACTGCCTCCGGGCTCCCTGAGACCA
CACTCAGCAGTGGCTTCTCGTTGCTGTAATTGAACGGGTCGAGGTGCCAAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC229982 representing NM_001168348
Red=Cloning site Green=Tags(s)

MGLYAAAAGVLAVGESRQGSIKGLVYSSNFQNVKQLYALVCETQRYSAVLDAVIASAGLLRAEKKLRPHL
 AKVHRGVSRNEDLLEVGSRPGPASQLPRFVRVNTLKTCSDDVVDYFKRQGF SYQGRASSLDDL RALKGKH
 FLLDPLMPELLVFPAQTDLHEHPLYRAGHLILQDRASCLPAMLLDPPPGSHVIDACAAPGNKTSHLAALL
 KNQKGIFAFDLDAKRLASMATLLARAGVSCCELAEEEDFLAVSPSDPRYHEVHYILLDPSCSGSGMPSRQL
 EEPGAGTPSPVRLHALAGFQQRALCHALTFPSLQRLVYSTCSLQCQENEDVVRDALQQNPGAFRLAPALP
 AWPHRGLSTFPGAHEHLRASPETTLSSGFFVAVIERVEVPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8056_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001168348

ORF Size: 1173 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_001168348.1](#), [NP_001161820.1](#)

RefSeq ORF: 1176 bp

Locus ID: 55695

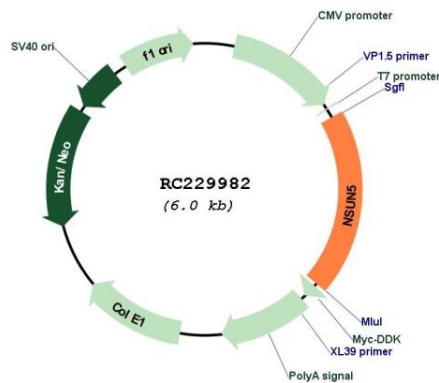
UniProt ID: [Q96P11](#)

Cytogenetics: 7q11.23

MW: 42.9 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 RC229982