

Product datasheet for **SC321742**

NOP58 (NM_015934) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NOP58 (NM_015934) Human Untagged Clone
Tag:	Tag Free
Symbol:	NOP58
Synonyms:	HSPC120; NOP5; NOP5/NOP58
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_015934.3
 GCACGCTGTTCTGATTCTTTGCGGGACGGCGAGCGCATTGTGCTTTGCCGCCGCGGCC
 TAGGAGGCCTTTTGAAGCCGCTAGTCGGTGTGTTTGAAGTACTCTACAGCTTCTGGCA
 GGCCGTGCGGCGCCCTGACCCGGCCTACCATGTTGGTGTGTTTGAACGTCTGTGGGT
 TACGCCATCTTTAAGTTCTAAATGAGAAGAACTTCAAGAGTTGATAGTTTATGGAAA
 GAATTTGAACTCCAGAGAAAGCAAAATAGTAAAGCTAAACATTTTGAGAAATTT
 CAGGATACAGCAGAAGCATTAGCAGCATTACAGCTCTGATGGAGGGCAAAATCAATAAG
 CAGCTGAAAAAGTTCTGAAGAAATAGTAAAGAAAGCCATGAACCGCTGGCAGTAGCT
 GATGCTAACTAGGAGGGGTATAAAGGAAAGCTGAATCTCAGTTGTATCCATAGTCCT
 GTTGTTAATGAAGTTATGAGAGGAATTCGTTACAAATGGATGGATTAATCCCTGGGGTA
 GAACACGTGAAATGGCAGCTATGTGTCTTGGATTGGCTCACAGCCTGTCTCGATATAGA
 TTGAAGTTTAGCGCTGATAAAGTAGACACAATGATTGTTCAAGCAATTCCTTGTAGAT
 GACTTGGATAAAGAACTAAACAACATTATGCGATGTAGAGAATGGTATGGCTGGCAT
 TTCCCTGAATTAGGAAAAATTATTCAGATAATTAACATACTGCAAGTGTTCAGAGAA
 GTTGGCGATAGGAAGAACTATGCCTCTGCCAAGCTTTCTGAGTTGCTGCCAGAAGAAGTT
 GAAGCAGAAGTGAAGCAGCTGCAGAGATATCAATGGGAACAGAGGTTTCAAGAAGAT
 ATTTGCAATATTCTGCATCTTTGCACCCAGGTGATTGAAATCTCTGAATATCGAAGCCAG
 CTCTATGAATATCTACAAATCGAATGATGGCCATTGCACCCAATGTTACAGTCATGGTT
 GGGGAATTAGTTGGAGCACGGCTTATTGCTCATGCAGGTTCTCTTTAAATTTGGCCAAG
 CATGCAGCTTCTACCGTTTCAAGTTCTTGGAGCTGAAAAGGCATTTTTCAGAGCCCTCAA
 TCTAGACGGGATACCCCTAAGTATGGTCTCATTATCATGCTTCACTCGTGGGCCAGACA
 AGTCCCAACACAAAGGAAAGATTCTCGAATGCTGGCAGCCAAAACCGTTTGGCTATC
 CGTTATGATGCTTTTGGTGAGGATTCAAGTTCTGCAATGGGAGTTGAGAACAGAGCCAAA
 TTAGAGGCCAGGTTGAGAACTTTGGAAGACAGAGGGATAGAAAAATAAGTGGAACAGGA
 AAAGCATTAGCAAAAACAGAAAAATATGAACACAAAAGTGAAGTGAAGACTTACGATCCT
 TCTGGTGAATCCACACTTCAACCTGTTCTAAAAAACGCAAAATAGAACAGGTAGATAAA
 GAGGATGAAATTAAGTAAAGGCAAAAAAGCCAAGATTAAAGTTAAAGTTGAAGAA
 GAGGAAGAAGAAAAAGTGGCAGAAGAAGAAGAACATCTGTGAAGAAGAAGAAGAAAGG
 GGTAAGAAAGAACACATTAAGGAAGAACCCTTTCTGAGGAAGAACCATGTACAGCACA
 GCAATTGCTAGTCCAGAGAAAAAGAAAAAGAAAAAGAGAGAGAACGAGGATTAA
 CAGAAAGGAATTACGATTATATACCCGGACACACATCATGCTTAAGATTCAACTGGGAG
 CATACCAGGGATGCTCTTAACGTAATCAAGGGAAGGTTCAAGTAAGACAAAGTGATTAT
 CATCTATAACTTCAAACCTATTTGTCTTGACATCAACTCTGTTAACCTTATGTCATCATT
 TCTTAGAGTCTTTGATATACAAATAAAATTTTCTTTGTATTTAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_015934

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:	<u>NM_015934.3, NP_057018.1</u>
RefSeq Size:	1979 bp
RefSeq ORF:	1590 bp
Locus ID:	51602
UniProt ID:	<u>Q9Y2X3</u>
Cytogenetics:	2q33.1
Domains:	Nop
Gene Summary:	The protein encoded by this gene is a core component of box C/D small nucleolar ribonucleoproteins. Some box C/D small nucleolar RNAs (snoRNAs), such as U3, U8, and U14, are dependent upon the encoded protein for their synthesis. This protein is SUMOylated, which is necessary for high affinity binding to snoRNAs. [provided by RefSeq, Nov 2015]