

Product datasheet for SC118196

SNRPG (NM_003096) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPG (NM_003096) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNRPG
Synonyms:	Sm-G; SMG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118196 sequence for NM_003096 edited (data generated by NextGen Sequencing)

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ATGAGCAAAGCTCACCTCCCGAGTTGAAAAATTTATGGACAAGAAGTTATCATTGAAA
TTAAATGGTGGCAGACATGTCCAAGGAATATTGCGGGGATTTGATCCCTTTATGAACCTT
GTGATAGATGAATGTGTGGAGATGGCGACTAGTGGACAACAGAACAATATTGGAATGGT
GTAATACGAGGAAATAGTATCATCATGTTAGAAGCCTTGAACGAGTATAA
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Clone variation with respect to NM_003096.2

5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_003096 unedited
GGGGTGNCGNATTTTGTAAACGACTCACTATAGGGCGGCNCGGATTCCGGCACCAAGA
CGCCGGGCTACAACGGGAGCGTGAGGAAAGCCGTGCGTTGCGTTCCAAGGCATCTGTGA
GCCCGGGAGTATACACCATGAGCAAAGCTCACCTCCCGAGTTGAAAAATTTATGGAC
AAGAAGTTATCATTGAAATTAATGGTGGCAGACATGTCCAAGGAATATTGCGGGGATTT
GATCCCTTTATGAACCTTGTGATAGATGAATGTGTGGAGATGGCGACTAGTGGACAACAG
AACAAATTTGGAATGGTGGTAATACGAGGAAATAGTATCATCATGTTAGAAGCCTTGGAA
CGAGTATAAATAATGGCTGTTCCAGCAGAGAAACCCATGTCCTCTCTCCATAGGGCCTGTT
TACTATGATGTAATAATAGGTCATGTACATTTTTCATATTAGACTTTTTGTTAAATAAA
CTTTTGTAAATAGTCAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAG
CTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCCAGTGCCCTCTCTGG
CCCTGGAAGTTGCCACTCCAGTGCCACCAGCCTTGTCTTAATAAAATTAAGTTGCATCA
TTTTGTCTGACTAGGTGTCCTTCTATATATTATGGGGTGGAGGGGTTGGGTAGGNATCCA
CGGGCCACTTTGCCAATACCCCCGGCTGGCCCTCCGGCCCACTCGCCCCAACCTCG
ACCTCCCCCAATTAACCGCCCTCACCCCCACCACCCCCCCCCCTTACCCACCA
CCGCCGCTCCACCCACCCGTCGCGGGCGCATTCCCCCGCCCGCCCGCCCACTACCAT
CCCCACCACACCCCATAAAACCAACATATCTACATAC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003096 unedited TCCCCCCCCNNTNNCCCCCTCCNCCCCCTCCCTTGACTTAGNACCCCGGCCCATN TCACGATCGGTTTTTTTTTTTTTTTGCCTATTACAAAATTTATTTAACAAAAATCTAAT ATGAAAAGTACATGACCTCATTTTTACATCATAGCAAAACAGGCCCTATGCGACAAAGGA CATGGGCTTCTCTGCTGAACAGCCATTATCCTATACTCCTTCCAAGGCCTTCTAACATGA TGATACTATTTCTCGTATTACCACCATTCAACCATTGTTCCGCGGCCCAATATCCCC ATGTCCACACATTATCATCACCAGGCTCATCAAGGGATCAAACCCCGCAATATTCCT TGGACATGTCTGCCCCCATTTAATTTCAATCGCATAACTTCTTGCCACTCTCTTTTC AACTCCAGACGGTGAGCCCTGTTAATGCTGTACCCTACCCCCCTCACAGCAGCCTTCC TAACCCTACCGCCCGGCCCCCCACCCCTTTCGCTGCAGTCCCCCCCCCGGTTCC CCCCCCCCCGCTCATATCGCCCCACTCACCCCCCTCCCCCTCCCCATCAT CCTTCCCCATTCTCCCCCTCCCAATTCCACCCCCCCCCCCCCCCCCCTCC CCCCCCCCCTCCCTCCCCCTTAACCTCCCCCCCCCCCCCCCCCTTCCACCCCC CTTCAAATCCCCAGAACCGCCCCCTATACCCCCCTCCCTACTCCCTTCTTCTCCT CCCCCCTTTCTCCTTCCCCACCCTATTATCCACTACCACCCCCACATCTATCC CCCCCCCCTTATCCCCACACCCCGCCATTTCTTATTATCTCCATCCCCCATCAT CTTAATCCCCCTATCCCCCTCCACATCACACCTTTCACCCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_003096
Insert Size:	450 bp
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).
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:	<ol style="list-style-type: none"> 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_003096.2</u> , <u>NP_003087.1</u>
RefSeq Size:	606 bp
RefSeq ORF:	231 bp
Locus ID:	6637
UniProt ID:	<u>P62308</u>
Cytogenetics:	2p13.3
Domains:	Sm
Protein Families:	Druggable Genome

Protein Pathways: Spliceosome

Gene Summary: The protein encoded by this gene is a component of the U1, U2, U4, and U5 small nuclear ribonucleoprotein complexes, precursors of the spliceosome. The encoded protein may also be a part of the U7 small nuclear ribonucleoprotein complex, which participates in the processing of the 3' end of histone transcripts. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2015]
Transcript Variant: This variant (1) encodes the highly conserved isoform (a).