

Product datasheet for SC118227

SNRPE (NM_003094) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRPE (NM_003094) Human Untagged Clone
Tag:	Tag Free
Symbol:	SNRPE
Synonyms:	HYPT11; Sm-E; SME; snRNP-E
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118227 sequence for NM_003094 edited (data generated by NextGen Sequencing)

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ATGGCGTACCGTGGCCAGGGTCAGAAAAGTGCAGAAGGTTATGGTGCAGCCCATCAACCTC
ATCTTCAGATACTTACAAAATAGATCGCGGATTACGGTGTGGCTCTATGAGCAAGTGAAT
ATGCGGATAGAAGGCTGTATCATTGGTTTTGATGAGTATATGAACCTTGATTAGATGAT
GCAGAAGAGATTCATTCTAAAACAAAGTCAAGAAAACTGGGTCGGATCATGCTAAAA
GGAGATAATATTACTCTGCTACAAAGTGTCTCCAAC TAG
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Clone variation with respect to NM_003094.2

5' Read Nucleotide Sequence: >OriGene 5' read for NM_003094 unedited

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TTTGTAAACGACTCACTTATAGGGCGCCGCAATTCGCACGAGGCTCAGAGGCAGCGT
GCGGGTGTGCTCTTTGTGAAATCCACCATGGCGTACCGTGGCCAGGGTCAGAAAGTGCA
GAAGGTTATGGTGCAGCCCATCAACCTCATCTTCAGATACTTACAAAATAGATCGCGGAT
TCAGGTGTGGCTCTATGAGCAAGTGAATATGCGGATAGAAGGCTGTATCATTGGTTTTGA
TGAGTATATGAACCTTGATTAGATGATGCAGAAGAGATTCATTCTAAAACAAAGTCAAG
AAAACAACTGGGTCGGATCATGCTAAAAGGAGATAATATTACTCTGCTACAAAGTGTCTC
CAACTAGAAATGATCAATGAAGTGAAGAAATGTTGAGAAGGATACAGTTTGTGTTTTAGAT
GTCCTTTGTCCAATGTGAACATTTATTCATATTGTTTTGATTACCTCGTGTACTACAA
GATGGCAATAAATACTATGGGATTGTTGTATTAATAAATTTACATTGCTTCTTACTATT
CAGCAGTAGAAACTTTTTACACAGTAACACCATTTCGTTGTTGGTATTTAGTTTTCTGAAG
GGTCGCAGTTGCCTTGAGCACTTGGTATTCGCAGAGCTTGGACCTGTAGATTTTGAGGCA
GATTAGGAATTCGCCTGATGGGTAAGCTTCCAGTATTGGGAGGTGGAGAGGNGAGGGT
TCANAAAAATAAAGAGTTATTGCACTAAAAAAAAAAAAAAAAAACTCGACTCTAGATT
GCGGCCGCGGTCTAGCTGTTTCCTGAACAGACCCCGGGTGGCATCCCTGTGACCCCTCC
CAGTGCCTCTCCTGCCCTTGGNAGTTGCACTNCACTGCCACCAGNCCTGTCTATNAAAAT
TAGTGCATCATTTGCTGACTAGGCCTATTGGGGGGGGGGG
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_003094 unedited TTCTTGNACCCGGCCGCAATTTNANGATCGAGTTTTTTTTTTTTTTTTTTTTTTAGGGCAATA ACTCTTATTTATTTTTCTGAACCCTCCCCTTCTCCACCTCCCAATACTGGAAGCTTACCC ATCAGGCAGAATTCCTAATCTGCCTCAAATCTACAGGTCCAAGCTCTGCGAATACCAAG TGCTCAAGGCAACTGCGACCCCTCAGAAAATAAATACCAACAACGAATGGTGTACTGT GTA AAAAGTTTCTACTGCTGAATAGTAAGAAGCAATGTAATTTTTTAATACAAACAATC CCATAGTATTTATTGCCATCTTGTAGTAACACGAGGGTAATCAAACAATATGAATAAAT GTTACATTGGACAAAGGACATCTAAAAACAACTGTATCCTTCTCAACAATTTCTCACT TCATTGATCATTCTAGTTGGAGACACTTTGTAGCAGAGTAATATTATCTCCTTTTAGCA TGATCCGACCCAGTTGTTTTCTGACTTTGTTTTAGAATGAATCTCTTCTGCATCATCTA ATACAAGTTTCATATACTCATCAAACCAATGATACAGCCTTCTATCCGCATATTCACTT GCTCATAGAGCCACACCTGAATCCGCGATCTATTTGTAAGTATCTGAAGATGAGGTTGA TGGGCTGCACCATAACCTTCTGCACTTTCTGACCCTGGGCCACGTACGCCATGGTGGAAAT TTCACAAAGACACCCGCACGCTGCCTCTGAGCCTCTGCCCGATTGCGGGCCGCCTAT AGTGAGTCGTATACAAAATNCTGACGGTCACTAAACGAGCTCTGCTTATATAGACCTCC NACCGACACGNCTACCGNATTTGCGTNACGGGGCGGGGTATTACGAACATTTGAAAGAT CCCGTGATTTTGGGGCCAAACAACTCCCATTGACGTAATGGGGGGGAGACT
Restriction Sites:	NotI-NotI
ACCN:	NM_003094
Insert Size:	710 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:	NM_003094.2 , NP_003085.1
RefSeq Size:	1593 bp
RefSeq ORF:	279 bp
Locus ID:	6635
UniProt ID:	P62304
Cytogenetics:	1q32.1
Domains:	Sm
Protein Families:	Stem cell - Pluripotency

Protein Pathways: Spliceosome

Gene Summary: The protein encoded by this gene is a core component of U small nuclear ribonucleoproteins, which are key components of the pre-mRNA processing spliceosome. The encoded protein plays a role in the 3' end processing of histone transcripts. This protein is one of the targets in the autoimmune disease systemic lupus erythematosus, and mutations in this gene have been associated with hypotrichosis. Several pseudogenes of this gene have been identified. [provided by RefSeq, Jun 2016]

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