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Product datasheet for SC118191

SSRP1 (NM_003146) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SSRP1 (NM_003146) Human Untagged Clone
Tag:	Tag Free
Symbol:	SSRP1
Synonyms:	FACT; FACT80; T160
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>NCBI ORF sequence for NM_003146, the custom clone sequence may differ by one or more nucleotides

ATGGCAGAGACACTGGAGTTCAACGACGTCTATCAGGAGGTGAAAGGTTCCATGAATGATGGTCGACTGA
GGTTGAGCCGTCAGGGCATCATCTTCAAGAATAGCAAGACAGGCAAAGTGGACAACATCCAGGCTGGGGA
GTTAACAGAAGGTATCTGGCGCCGTGTTGCTCTGGGCCATGGACTTAAACTGCTTACAAAGAATGGCCAT
GTCTACAAGTATGATGGCTTCCGAGAATCGGAGTTTGAGAAACTCTCTGATTTCTTCAAAACTCACTATC
GCCTTGAGCTAATGGAGAAGGACCTTTGTGTGAAGGGCTGGAACTGGGGGACAGTGAAATTTGGTGGGCA
GCTGCTTTCCTTTGACATTGGTGACCAGCCAGTCTTTGAGATACCCCTCAGCAATGTGTCCCAGTGCACC
ACAGGCAAGAATGAGGTGACACTGGAATTCCACCAAAACGATGACGCAGAGGTGTCTCTCATGGAGGTGC
GCTTCTACGTCCCACCCACCCAGGAGGATGGTGTGGACCCTGTTGAGGCCTTTGCCCAGAATGTGTTGTC
AAAGGCGGATGTAATCCAGGCCACGGGAGATGCCATCTGCATCTTCCGGGAGCTGCAGTGTCTGACTCCT
CGTGGTCGTTATGACATTCGGATCTACCCCACCTTTCTGCACCTGCATGGCAAGACCTTTGACTACAAGA
TCCCCTACACCACAGTACTGCGTCTGTTTTTGTTACCCCACAAGGACCAGCGCCAGATGTTCTTTGTGAT
CAGCCTGGATCCCCCAATCAAGCAAGGCCAAACTCGCTACCACTTCCTGATCCTCCTCTTCTCCAAGGAC
GAGGACATTTCGTTGACTCTGAACATGAACGAGGAAGAAGTGGAGAAGCGCTTTGAGGGTCGGCTCACCA
AGAACATGTCAGGATCCCTCTATGAGATGGTCAGCCGGGTCATGAAAGCACTGGTAAACCGCAAGATCAC
AGTGCCAGGCAACTTCCAAGGGCACTCAGGGGCCCAGTGCATTACCTGTTCCTACAAGGCAAGCTCAGGA
CTGCTCTACCCGCTGGAGCGGGGCTTCATCTACGTCCACAAGCCACCTGTGCACATCCGCTTCGATGAGA
TCTCCTTTGTCAACTTTGCTCGTGGTACCACTACTACTCGTTCCTTTGACTTTGAAATTGAGACCAAGCA
GGGCACTCAGTATACCTTCAGCAGCATTGAGAGGGAGGAGTACGGGAAACTGTTTGATTTTGTCAACGCG
AAAAAGCTCAACATCAAAAACCGAGGATTGAAAGAGGGCATGAACCCAAGCTACGATGAATATGCTGACT
CTGATGAGGACCAGCATGATGCCTACTTGGAGAGGATGAAGGAGGAAGGCAAGATCCGGGAGGAGAATGC
CAATGACAGCAGCGATGACTCAGGAGAAGAAACCGATGAGTCATTCAACCCAGGTGAAGAGGAGGAAGAT
GTGGCAGAGGAGTTTGACAGCAACGCCTCTGCCAGCTCCTCCAGTAATGAGGGTGACAGTGACCGGGATG
AGAAGAAGCGGAAACAGCTCAAAAAGGCCAAGATGGCCAAGGACCGCAAGAGCCGCAAGAAGCCTGTGGA
GGTGAAGAAGGGCAAAGACCCCAATGCCCCCAAGAGGCCCATGTCTGCATACATGCTGTGGCTCAATGCC
AGCCGAGAGAAGATCAAGTCAGACCATCCTGGCATCAGCATCACGGATCTTTCCAAGAAGGCAGGCGAGA
TCTGGAAGGGAATGTCCAAAGAGAAGAAAGAGGAGTGGGATCGCAAGGCTGAGGATGCCAGGAGGGACTA
TGAAAAAGCCATGAAAGAATATGAAGGGGGCCGAGGCGAGTCTTCTAAGAGGGACAAGTCAAAGAAGAAG
AAGAAAGTAAAGGTAAAGATGGAAAAGAAATCCACGCCCTCTAGGGGCTCATCATCCAAGTCGTCCTCAA
GGCAGCTAAGCGAGAGCTTCAAGAGCAAAGAGTTTGTGTCTAGTGATGAGAGCTCTTCGGGAGAGAACAA
GAGCAAAAAGAAGAGGAGGAGGAGCGAGGACTCTGAAGAAGAAGAACTAGCCAGTACTCCCCCCAGCTCA
GAGGACTCAGCGTCAGGATCCGATGAGTAG

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003146 unedited
GTCAGAATTTGTATACGACTCACTATAGGCGGCCGCGATTCGGCACGAGGCGCGCCCCCC
CCGCGTCCCCCCAGCGCGCCCACCTCTCGCGCCGGGGCCCTCGCGAGGCCGCAGCCTGAG
GAGATTCCCAACCTGCTGAGCATCCGCACACCCACTCAGGAGTTGGGGCCCAGCTCCCAG
TTTACTTGGTTTCCCTTGTGCAGCCTGGGGCTCTGCCCAGGCCACCACAGGCAGGGGTCG
ACATGGCAGAGACACTGGAGTTCAACGACGTCTATCAGGAGGTGAAAGGTTCCATGAATG
ATGGTCGACTGAGGTTGAGCCGTCAGGGCATCATCTTCAAGAATAGCAAGACAGGCAAAG
TGGACAACATCCAGGCTGGGGAGTTAACAGAAGGTATCTGGCGCCGTGTTGCTCTGGGCC
ATGGACTTAAACTGCTTACAAAGAATGGCCATGTCTACAAGTATGATGGCTTCCGAGAAT
CGGAGTTTGAGAAACTCTCTGATTTCTTCAAAACTCACTATCGCCTTGAGCTAATGGAGA
AGGACCTTTGTGTGAAGGGCTGGAACTGGGGGACAGTGAAATTTGGTGGGCAGCTGCTTT
CCTTTGACATTGGTGACCAGCCAGTCTTTGAGATACCCCTCAGCAATGTGTCCCAGTGCA
CCACAGGCAAGAATGAGGTGACACTGGAATTCCACCAAAACGATGACGCAGAGGTGTCTC
TCATGGAGGTGCGCTTTTACGTCCCACCCACCCAGGAGGATGGTGTGGACCCTGNTGAGG
CCCTTTGCCACAATGTGTTGTCCAAGGCGGATGTTATCCAGCCCAGGGGAGAGCCATCTG
CATCTTTCCGGAGCTGCAGTGTCTGACTCTCGCGGTCGGTATGACTTTCCGATCTACCCC
ACCTTCCTGACCTGCTGGCAAGAC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003146 unedited
ACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTCCAAGTCAGTTCCCTTT
ATTAAATCATTTTCACAGACCAGAAATACAAAATGAAAGTAGAAATAGGCCCCAGGTAGG
AGCTACAGGCCTGGCCTCACATGACCCCTGCTCCAGCAACTTGAACAGGACAAGCAGCAG
CTACATCCTTAAGGTCGGGAAAGTAAGATGAGGATTTGGATCCTGCATTGCCCTGCCTCC
CACCCTATCTCTCCCCAAATTATAAACAGCCATCCTTGGGAAGCAGCAGAGTTAAGACGT
CTCCCCACTGCCCTAGTGACATACACACCAACAGGAGAGCATGTTCAGATGGCACAGAAT
CCAGGGACTGCATTTCATGAGGAGAAACTGGTACCAAAATATGGGTGGGGAGTCGGGGGG
TGTGAAAAGGCAAGCGCAAAGAGAACCTTCCTCCGTTTCTACTCATCGGATCCTGACGCT
GAGTCCTCTGAGCTGGGGGGAGTACTGGCTAGTTCTTCTTCTTCAGAGTCCTCGCTCCTC
CTCCTCTTCTTTTTGCTCTTGTTCTCTCCCGAAGAGCTCTCATCACTAGACACAAACTCT
TTGCTCTTGAAGCTCTCGCTTAGCTGCCTTGAGGACGACTTGGATGATGAGCCCCTAGAG
GGCGTGGATTTCTTTTCCATCTTTACCTTTACCTTCTTTTTCTTCTTTGACTGGACCCTC
TAAAAGACTCGCCTCGGCCCCCTTCATATCTTTCATGGCTTTTTCATAGCCCTCCTGGCA
TTCTAAGCCTTGGGATCCCACTTCTCTTTTTTTCTTTTTGAACATTCCCTACCAAAACTC
GCCCTGCTTCTGGAAAGAATCCGGAGCCGATGCCAGAATGGCTGACTTGATTTTTTTCGC
TGGATGGACCCAACTTGTTGCAAT

Restriction Sites: NotI-NotI

ACCN: NM_003146

Insert Size: 2800 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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
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_003146.2, NP_003137.1
RefSeq Size:	2825 bp
RefSeq ORF:	2130 bp
Locus ID:	6749
UniProt ID:	Q08945
Cytogenetics:	11q12.1
Domains:	HMG, SSrecog
Protein Families:	Transcription Factors
Gene Summary:	The protein encoded by this gene is a subunit of a heterodimer that, along with SUPT16H, forms chromatin transcriptional elongation factor FACT. FACT interacts specifically with histones H2A/H2B to effect nucleosome disassembly and transcription elongation. FACT and cisplatin-damaged DNA may be crucial to the anticancer mechanism of cisplatin. This encoded protein contains a high mobility group box which most likely constitutes the structure recognition element for cisplatin-modified DNA. This protein also functions as a co-activator of the transcriptional activator p63. An alternatively spliced transcript variant of this gene has been described, but its full-length nature is not known. [provided by RefSeq, Jul 2008]