

Product datasheet for **MC220761**

Ssrp1 (NM_182990) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssrp1 (NM_182990) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ssrp1
Synonyms:	C81323; Hmg1-rs1; Hmgi-rs3; Hmgox; T160
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220761 representing NM_182990
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGAGACATTGGAGTTCAACGACATCTTCCAGGAGGTGAAAGGGTCCATGAATGATGGGAGGCTTC
 GATTGAGCCGTCAGGGTATCATCTTTAAGAACAGCAAGACGGGCAAAGTGGACAACATCCAGGCTGGGA
 GTTGACAGAAGGCATCTGGCGTCGGGTAGCATTAGGCCATGGGCTTAAACTGCTCACAAAGAATGGGCAT
 GTCTACAAGTACGATGGCTTCCGCGAATCGGAGTTTGAGAACTCTGACTTCTTCAAACACTACTATC
 GCCTTGAGCTAATGGAGAAGGATCTGTGTGTAAGGGCTGGAAGTGGGGACAGTGAAGTTTGGAGGACA
 GCTGCTTTCTTTGACATTGGTGATCAACCAGTCTTTGAGATACCCCTAAGCAATGTGTCCCAGTGTACC
 ACAGGCAAGAATGAGGTGACCCTGGAATCCACCAGAATGACGATGCTGAAGTATCTCTCATGGAGGTGC
 GCTTCTATGTTTCTCCACGCAGGAAGATGGTGTGGACCCGTGGAGGCCCTTGGCCAGAATGTTCTGTC
 AAAGGCAGATGTGATCCAGGCCACGGAGACGCCATCTGCATCTCCGGGAGCTGCAGTGTGACTCCT
 CGCGGTGATACGATATCCGGATCTACCCCTACCTTCTACACCTGCATGGCAAGACCTTTGACTACAAGA
 TCCCTATACTACAGTTCTCCGTCTTCTCTGCTACCACACAAGGATCAGAGACAGATGTTCTTTGTGAT
 CAGCTTGGATCCTCCATCAAGCAGGGCCAAACTCGTTACCATTCTCTGATCCTCCTCTTCTCCAAGGAT
 GAGGACATCTCCTTGACTCTCAACATGAATGAGGAAGAAGTAGAAAAGCGCTTTGAGGGGCGACTCACCA
 AGAACATGTCAGGATCCCTCTATGAAATGGTCACTCGGGTCATGAAAGCACTTGTCAACCGTAAATCAC
 AGTCCCAGGCAACTTCCAAGGGCACTCAGGGGCCAGTGTATTACCTGCTCCTATAAGGCCAGCTCAGGA
 TCTCCTGATCCCACTGGAGCGGGGCTTCACTACGTGCATAAGCCCCTGTGCACATCCGCTTTGATGAGA
 TCTTTTTGTCAACTTTGCCCGTGGCACCACTCGTTTCTTTCGACTTTGAGATTGAGACCAAGCA
 AGGCACTCAGTATACCTTCAGCAGCATTGAAAGGGAGGAGTATGGAAAGCTTTTCGATTTTGTCAATGCG
 AAAAAGCTCAACATCAAGAACAGAGGACTGAAAGAGGGCATTAAACCCAGGCTATGACGATTATGCTGACT
 CTGATGAAGACCAGCATGATGCCTATTTGGAGAGGATGAAGGAGGAGGGCAAGTCCGGGAGGAGAATGC
 CAATGACAGCAGCGACTCAGGAGAAGAGACTGATGAGTCTTCAATCCTGGTGAAGAAGAAGAAGAT
 GTGGCAGAGGAGTTTGACAGCAATGCCTCTGCCAGCTCCTCCAGCAATGAGGGTGACAGTACCCTGAAG
 AGAAGAAACGGGAACAGCTCAAAGGGCTAAGATGGCCAAGGATCGAAAGAGCCGAGGAAGTCTCAGA
 GGCAAAGAAGGGTAAAGATCCAAACGCCCAAAGAGGCCATGTCTGCGTACATGCTGTGGCTTAATGCA
 AGCCGCGAGAAGATCAAGTCGGATCATCTGGCATCAGTATCACAGATCTTCCAAGAAGGCAGGGGAGA
 TCTGGAAGGGAATGTCCAAGAGAAGAAGGAGGAGTGGGACCGCAAGGCTGAGGATGCTAGGAGGGAGTA
 TGAGAAAGCCATGAAAGAGTATGAAGGAGGAAGAGGGGACTCATCTAAAAGGGACAAGTCTAAGAAGAAA
 AAGAAAGTAAAAGCAAAGATGGAAAAAAGTCCACTCCTTCCCGGGGCTCGTCAATCAAGTCTTCAATCCA
 GGCAGTTGAGTGACAGCTTCAAGAGCAAAGAGTTTGTGTCCAGTATGAGAGCTTTCAGGCGAGAACAA
 GAGCAAAAAGAAGAGGAGGCGGAGCGAGGACTCTGAAGAGGAGCTAGCCAGTACCCTCCAAGCTCAGAG
 GACTCTGCCTCGGGATCTGATGAAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2282_d04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_182990

Insert Size: 2127 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:	<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_182990.4 , NP_892035.2
RefSeq Size:	2858 bp
RefSeq ORF:	2127 bp
Locus ID:	20833
UniProt ID:	Q08943
Cytogenetics:	2 49.45 cM
Gene Summary:	<p>Component of the FACT complex, a general chromatin factor that acts to reorganize nucleosomes. The FACT complex is involved in multiple processes that require DNA as a template such as mRNA elongation, DNA replication and DNA repair. During transcription elongation the FACT complex acts as a histone chaperone that both destabilizes and restores nucleosomal structure. It facilitates the passage of RNA polymerase II and transcription by promoting the dissociation of one histone H2A-H2B dimer from the nucleosome, then subsequently promotes the reestablishment of the nucleosome following the passage of RNA polymerase II. The FACT complex is probably also involved in phosphorylation of 'Ser-392' of p53/TP53 via its association with CK2 (casein kinase II). Binds specifically to double-stranded DNA. Also acts as a transcriptional coactivator for p63/TP63.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.</p>