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Product datasheet for MC220762

Ssrp1 (NM_001136081) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssrp1 (NM_001136081) 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:

>MC220762 representing NM_001136081
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGAGACATTGGAGTTCAACGACATCTTCCAGGAGGTGAAAGGGTCCATGAATGATGGGAGGCTTC
GATTGAGCCGTCAGGGTATCATCTTTAAGAACAGCAAGACGGGCAAAGTGGACAACATCCAGGCTGGGGA
GTTGACAGAAGGCATCTGGCGTCGGGTAGCATTAGGCCATGGGCTTAAACTGCTCACAAAGAATGGGCAT
GTCTACAAGTACGATGGCTTCCGCGAATCGGAGTTTGAGAAACTCTCTGACTTCTTCAAAACTCACTATC
GCCTTGAGCTAATGGAGAAGGATCTGTGTGTGAAGGGCTGGAACTGGGGGACAGTGAAGTTTGGAGGACA
GCTGCTTTCTTTTGACATTGGTGATCAACCAGTCTTTGAGATACCCCTAAGCAATGTGTCCCAGTGTACC
ACAGGCAAGAATGAGGTGACCCTGGAATTCCACCAGAATGACGATGCTGAAGTATCTCTCATGGAGGTGC
GCTTCTATGTTCCTCCCACGCAGGAAGATGGTGTGGACCCTGTGGAGGCCTTTGCCCAGAATGTTCTGTC
AAAGGCAGATGTGATCCAGGCCACCGGAGACGCCATCTGCATCTTCCGGGAGCTGCAGTGTTTGACTCCT
CGCGGTCGATACGATATCCGGATCTACCCTACCTTTCTACACCTGCATGGCAAGACCTTTGACTACAAGA
TCCCCTATACTACAGTTCTCCGTCTCTTCCTGCTACCACACAAGGATCAGAGACAGATGTTCTTTGTGAT
CAGCTTGGATCCTCCCATCAAGCAGGGCCAAACTCGTTACCACTTCCTGATCCTCCTCTTCTCCAAGGAT
GAGGACATCTCCTTGACTCTCAACATGAATGAGGAAGAAGTAGAAAAGCGCTTTGAGGGGCGACTCACCA
AGAACATGTCAGGATCCCTCTATGAAATGGTCAGTCGGGTCATGAAAGCACTTGTCAACCGTAAAATCAC
AGTCCCAGGCAACTTCCAAGGGCACTCAGGGGCCCAGTGTATTACCTGCTCCTATAAGGCCAGCTCAGGA
CTCCTGTACCCACTGGAGCGGGGCTTCATCTACGTGCATAAGCCCCCTGTGCACATCCGCTTTGATGAGA
TCTCTTTTGTCAACTTTGCCCGTGGCACCACGACCACTCGTTCCTTCGACTTTGAGATTGAGACCAAGCA
AGGCACTCAGTATACCTTCAGCAGCATTGAAAGGGAGGAGTATGGAAAGCTTTTCGATTTTGTCAATGCG
AAAAAGCTCAACATCAAGAACAGAGGACTGAAAGAGGGCATTAACCCAGGCTATGACGATTATGCTGACT
CTGATGAAGACCAGCATGATGCCTATTTGGAGAGGATGAAGGAGGAGGGCAAGATCCGGGAGGAGAATGC
CAATGACAGCAGCGACGACTCAGGAGAAGAGACTGATGAGTCCTTCAATCCTGGTGAAGAAGAAGAAGAT
GTGGCAGAGGAGTTTGACAGCAATGCCTCTGCCAGCTCCTCCAGCAATGAGGGTGACAGTGACCGTGAAG
AGAAGAAACGGGAACAGCTCAAAAGGGCTAAGATGGCCAAGGATCGAAAGAGCCGCAGGAAGTCTTCAGA
GGCAAAGAAGGGTAAAGATCCAAACGCCCCAAAGAGGCCTATGTCTGCGTACATGCTGTGGCTTAATGCA
AGCCGCGAGAAGATCAAGTCGGATCATCCTGGCATCAGTATCACAGATCTTTCCAAGAAGGCAGGGGAGA
TCTGGAAGGGAATGTCCAAAGAGAAGAAGGAGGAGTGGGACCGCAAGGCTGAGGATGCTAGGAGGGAGTA
TGAGAAAGCCATGAAAGAGTATGAAGGAGGAAGAGGGGACTCATCTAAAAGGGACAAGTCTAAGAAGAAA
AAGAAAGTAAAAGCAAAGATGGAAAAAAAGTCCACTCCTTCCCGGGGCTCGTCATCCAAGTCTTCATCCA
GGCAGTTGAGTGACAGCTTCAAGAGCAAAGAGTTTGTGTCCAGTGATGAGAGCTCTTCAGGCGAGAACAA
GAGCAAAAAGAAGAGGAGGCGGAGCGAGGACTCTGAAGAGGAGCTAGCCAGTACCCCTCCAAGCTCAGAG
GACTCTGCCTCGGGATCTGATGAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001136081

Insert Size: 2127 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:	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_001136081.2, NP_001129553.1
RefSeq Size:	2729 bp
RefSeq ORF:	2127 bp
Locus ID:	20833
UniProt ID:	Q08943
Cytogenetics:	2 49.45 cM
Gene Summary:	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] Transcript Variant: This variant (2) uses an alternate 5' exon structure and differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same protein.