

Product datasheet for **MR210205L4V**

Ssrp1 (BC042502) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ssrp1 (BC042502) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ssrp1
Synonyms:	C81323; Hmg1-rs1; Hmg1-rs3; Hmgox; T160
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC042502
ORF Size:	2133 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210205).
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	BC042502.1
RefSeq Size:	2792 bp
RefSeq ORF:	2135 bp
Locus ID:	20833
Cytogenetics:	2 49.45 cM



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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]