

Recombinant Mouse Ssrp1 Protein, Myc/DDK-tagged

Cat. No. Ssrp1-6146M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length structure specific recognition protein 1 (cDNA clone MGC:30412 IMAGE:5005209), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	102.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and

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handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade after receiving vials.

Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Ssrp1 structure specific recognition protein 1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ssrp1](#)

Synonyms Ssrp1; structure specific recognition protein 1; Hmgo; T160; Hmgi-; Hmgox; C81323; Hmg1-r; Hmg1-rs1; Hmgi-rs3; FACT complex subunit SSRP1; facilitates chromatin transcription complex subunit SSRP1; recombination signal sequence recognition protein 1

Gene ID [20833](#)

mRNA Refseq [NM_182990](#)

Protein Refseq [NP_892035](#)

UniProt ID [Q08943](#)

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