

Recombinant Human SSRP1, His-tagged

Cat. No. SSRP1-29276TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 274-709 of Human SSRP1 with an N terminal His tag. Predicted MWt: 51 kDa;
Species	Human
Source	E.coli
ProteinLength	274-709 a.a.
Description	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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 133 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5

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Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	ILLFSKDEDISLTLNMNEEEVEKRFEGRLTKNMSGSLYEM VSRVMKALVNRKITVPG NFQGHSGAQCITCSYKASSGL LYPLERGFYVHKPPVHIRFDEISFVNFARGTTTTRS FDFEITKQGTQYTFSSIEREEYGKLFDFVNAKKNLKNRG LKEGMNPSYDEYADSD EDQHDAYLERMKEEGKIREENA NDSSDDSGEETDESFNPGEEEEEDVAEEFDSNAS ASSSSNE GDSDRDEKRRKQLKKAKMAKDRKSRKKPVEVKKGKDPN APKRPMASAY MLWLNASREKIKSDHPGISITDLSKKAGE IWKGMSKEKKEEWDRKAEDARRDYEKA MKEYEGGRGESSK RDKSKKKKKVKVKMEKKSTPSRGSSSKSSSRQLSESEFK SKE FVSSDESSSGENKSKKKRRRSEDSEEEELASTPPS SEDSASGSDE

GENE INFORMATION

Gene Name	SSRP1 structure specific recognition protein 1 [Homo sapiens]
Official Symbol	SSRP1
Synonyms	SSRP1; structure specific recognition protein 1; FACT complex subunit SSRP1; facilitates chromatin remodeling 80 kDa subunit; FACT80;
Gene ID	6749
mRNA Refseq	NM_003146
Protein Refseq	NP_003137
MIM	604328
Uniprot ID	Q08945
Chromosome	11q12

Location**Pathway**

Formation and Maturation of mRNA Transcript, organism-specific biosystem;
Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem;
Formation of HIV-1 elongation complex in the absence of HIV-1 Tat, organism-specific biosystem;
Formation of RNA Pol II elongation complex, organism-specific biosystem;
Gene Expression, organism-specific biosystem;

Function

DNA binding; protein binding;

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