Recombinant Human SSRP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SSRP1-1181H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SSRP1 MS Standard C13 and N15-labeled recombinant protein (NP_003137) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	81.1 kDa
AA Sequence	MAETLEFNDVYQEVKGSMNDGRLRLSRQGIIFKNSKTGKVDNIQAGELTEGIWRRVA LGHGLKLLTKNGHVYKYDGFRESEFEKLSDFFKTHYRLELMEKDLCVKGWNWGTV KFGGQLLSFDIGDQPVFEIPLSNVSQCTTGKNEVTLEFHQNDDAEVSLMEVRFYVPP TQEDGVDPVEAFAQNVLSKADVIQATGDAICIFRELQCLTPRGRYDIRIYPTFLHLHG

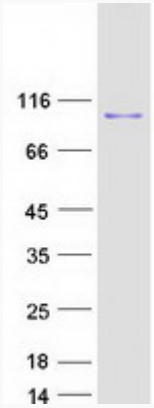
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	KTFDYKIPYTTVLRLFLLPHKDQRQMFFVISLDPPIKQGQTRYHFLILLFSKDEDISLTL NMNEEEVEKRFEGRLTKNMSGSLYEMVSRVMKALVNRKITVPGNFQGHSGAQCIT CSYKASSGLLYPLERGFIYVHKPPVHIRFDEISFVNFARGTTTTRSFDFEIETKQGTQY TFSSIEREEYGKLFDFVNAKKLNIKNRGLKEGMNPSYDEYADSDEDQHDAYLERMK EEGKIREENANDSSDDSGEETDESFNPGEEEEDVAEEFDSNASASSSSNEGDSDR DEKKRKQLKKAKMAKDRKSRKKPVEVKKGKDPNAPKRPMSAYMLWLNASREKIKS DHPGISITDLSKKAGEIWKGMSKEKKEEWDRKAEDARRDYEKAMKEYEGGRGESS KRDKSKKKKKVKVKMEKKSTPSRGSSSKSSSRQLSESFKSKEFVSSDESSSGENKS KKKRRRSEDSEEEELASTPPSSEDSASGSDETRTRPLEQKLISEEDLAANDILDYKD DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SSRP1 structure specific recognition protein 1 [Homo sapiens (human)]
Official Symbol	SSRP1
Synonyms	SSRP1; structure specific recognition protein 1; FACT complex subunit SSRP1; facilitates chromatin remodeling 80 kDa subunit; FACT80; hSSRP1; FACTp80; cisplatin-DNA SSRP; FACT 80 kDa subunit; high mobility group box; structure-

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	specific recognition protein 1; recombination signal sequence recognition protein 1; facilitates chromatin transcription complex subunit SSRP1; facilitates chromatin transcription complex 80 kDa subunit; chromatin-specific transcription elongation factor 80 kDa subunit; FACT; T160;
Gene ID	6749
mRNA Refseq	NM_003146
Protein Refseq	NP_003137
MIM	604328
UniProt ID	Q08945
SDS-PAGE	

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