

Recombinant Full Length Human SSRP1 Protein, Flag tagged

Cat. No. SSRP1-35HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human structure specific recognition protein 1 (SSRP1) with C-Flag tag was expressed in HEK293T.
Species	Human
Source	HEK293T
ProteinLength	1-709 aa
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.
Form	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Molecular Mass	80.9 kDa
AASequence	MAETLEFNDVYQEVKGSMDGRLRLSRQGIIFKNSKTGKVDNIQAGELTEGIWRRVALGHGLKLLTKNGHVYKYDGFRESEFEKLSDFFKTHYRLELMEKDLVCVKGWNWGTV

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KFGGQLLSFDIGDQPVFEIPLSNVSQCTTGKNEVTLEFHQNDDAEVSLMEVRFYVPP
 TQEDGVDPVEAFAQNVLSKADVIQATGDAICIFRELQCLTPRGRYDIRIYPTFLHLHG
 KTFDYKIPYTTVLRLFLLPHKDQRQMFFVISLDPPIKQGQTRYHFLILLFSKDEDISLTL
 NMNEEEVEKRFEGRRLTKNMSGSLYEMVSRVMKALVNRKITVPGNFQGHSGAQGIT
 CSYKASSGLLYPLERGFYVHKPPVHIRFDEISFVNFARGTTTTTSFDFEIEKQGTQY
 TFSSIEREEYGKLFDFVNAKKLNKRNGLKEGMNPSYDEYADSDDEDQHDAYLERMK
 EEGKIREENANDSSDDSGEETDESFNPGEEDVAEEFDSNASASSSSNEGDSR
 DEKKRKQLKKAKMAKDRKSRKKPVEVKKGKDPNAPKRPMASAYMLWLNASREKIKS
 DHPGISITDLSSKAGEIWKGMSSKEKKEEWDRAEDARRDYEKAMKEYEGGRGESS
 KRDKSKKKKKVKVKMEKKSTPSRGSSSKSSSRQLSESFKSKEFVSSDESSSGENKS
 KKKRRRSEDSEEEELASTPPSSSEDASGSDETRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Notes For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage Store at -80 centigrade. Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Concentration >0.05 µg/µL as determined by microplate BCA method

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;

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cisplatin-DNA SSRP; FACT 80 kDa subunit; high mobility group box; structure-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](#)

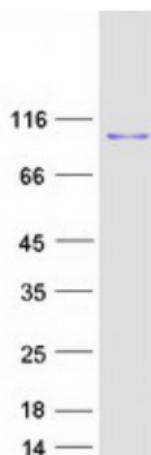
mRNA Refseq [NM_003146](#)

Protein Refseq [NP_003137](#)

MIM [604328](#)

UniProt ID [Q08945](#)

SDS-PAGE



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