

## Product datasheet for PH300414

### SSRP1 (NM\_003146) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	SSRP1 MS Standard C13 and N15-labeled recombinant protein (NP_003137)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200414
Predicted MW:	81.1 kDa
Protein Sequence:	>RC200414 protein sequence Red=Cloning site Green=Tags(s)

MAETLEFNDVYQEVKGSMDGRLRLSRQGIIFKNSKTGKVDNIQAGELTEGIWRRVALGHGLKLLTKNGH  
VYKYDGFRESEFEKLSDFFKTHYRLELMEKDLCKVGNWGTVKFGGQLLSFDIGDQPVFEIPLSNVSQCT  
TGKNEVTLEFHQNDDAEVSLMEVRFYVPPTQEDGVDPVEAFAQNVLSKADVIQATGDAICIFRELQCLTP  
RGRYDIRIYPTFLHLHGKTFDYKIPYTTVLRFLPHKDQRQMFVVISLDPPIKQGQTRYHFLILLFSKD  
EDISLTLNMEEEEVEKRFEGRLTKNMSGSLYEMVSRVMKALVNRKITVPGNFQGHSGAQCITCSYKASSG  
LLYPLERGFYVHKPPVHIRFDEISFVNFARGTTTTRSFDFEIEITKQGTQYTFSSIEREEYGKLFDFVNA  
KKLNIKNRGLKEGMNPSYDEYADSDQHDAYLERMKEEGKIREENANDSSDDSGEETDESFNPGEEEEED  
VAEEFDSNASASSSSNEGSDRDEKRRQLKAKMAKDRKSRKKPVEVKKGKDPNAPKRPMAYMLWLN  
SREKIKSDHPGISITDLKSKAGEIWKGMSKEKKEEWDRAEDARRDYEKAMKEYEGGRGESSKRDKSKKK  
KKVKVMEKSTPSRGSSSKSSSRQLSESFKSKEFVSSDESSESSGENSKKKRRRSEDSEEEELASTPPSS  
EDSASGSDE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003137</u>



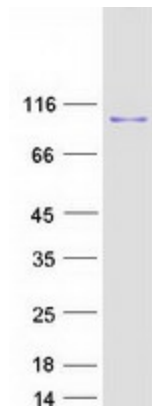
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RefSeq Size:	2825
RefSeq ORF:	2127
Synonyms:	FACT; FACT80; T160
Locus ID:	6749
UniProt ID:	<a href="#">Q08945</a> , <a href="#">A0A024R4Z6</a>
Cytogenetics:	11q12.1

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified SSRP1 protein (Cat# [TP300414]). The protein was produced from HEK293T cells transfected with SSRP1 cDNA clone (Cat# [RC200414]) using MegaTran 2.0 (Cat# [TT210002]).