

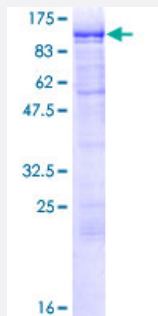
Full-Length

SSRP1 (Human) Recombinant Protein (P01)

Catalog # H00006749-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SSRP1 full-length ORF (NP_003137.1, 1 a.a. - 709 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAETLEFNDVYQEVKGSMNDGRLRLSRQGIIKNSKTGKVDNIQAGELTEGIWRRVALGHGLKLLT
KNGHVYKYDGFRESEFEKLSDDFFKTHYRLELMEKDLCKVGWNWGTVKFGGQLLSFDIGDQPVFE
IPLSNVSQCTTGKNEVTLEFHQNDDAEVSLMEVRFYVPPTQEDGVDPVEAFAQNVLSKADVIQAT
GDAICIFRELQCLTPRGRYDIRIYPTFLHLHGKTFDYKIPYTTVLRLFLLPHKDQRQMFFVISLDPPIKQ
GQTRYHFLILLFSKDEDISLTLMNNEEEVEKRFEGRLTKNMSGSLYEMVSRVMKALVNRKITVPGN
FQGHSGAQCITCSYKASSGLLYPLERGFIVHKPPVHIRFDEISFVNFARGTTTTSFDFEIEITKQGT
QYTFSSIEREEYGKLDFVNAKKLNIKNRGLKEGMNPSYDEYADSDDEDQHDAYLERMKEEGKIRE
ENANDSSDDSGEETDESFPNGEEEEVAEEFDSNASASSSSNEGDSRDEKKRKQLKKAKMA
KDRKSRRKPPVEVKKGKDPNAPKRPMAYMLWLNASREKIKSDHPGISITDLSKKAGEIWKGMK
EKKEEWDRAEDARRDYEKAMKEYEGGRGESSKRDKSKKKKKVKVKMEKKSTPSRGSSSSKSS
SRQLSESFKSKEFVSSDESSSGENKSKKKRRRSEDSEEEELASTPPSSEDSASGSDE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

107.5

Interspecies Antigen Sequence

Mouse (98); Rat (98)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SSRP1

Entrez GeneID	6749
GeneBank Accession#	NM_003146.2
Protein Accession#	NP_003137.1
Gene Name	SSRP1
Gene Alias	FACT, FACT80, T160
Gene Description	structure specific recognition protein 1
Omim ID	604328
Gene Ontology	Hyperlink

Gene 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]

Other Designations

chromatin-specific transcription elongation factor 80 kDa subunit|cisplatin-DNA SSRP|facilitates chromatin remodeling 80 kDa subunit|high mobility group box|recombination signal sequence recognition protein