

## Recombinant Human SERPINH1 Protein

Catalog #	Source	Reactivity	Applications
CRP2291	Human cells	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human SERPINH1 Protein is produced by our Mammalian expression system and the target gene encoding Ala19-Leu418 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 $\mu$ M filtered solution of 20mM PB, 150mM NaCl, pH 7.2.
<b>Gene Symbol</b>	SERPINH1
<b>Alternative Names</b>	CBP1; CBP2; HSP47; SERPINH2; Serpin H1; 47 kDa heat shock protein; Arsenic-transactivated protein 3; AsTP3; Cell proliferation-inducing gene 14 protein; Collagen-binding protein; Colligin; Rheumatoid arthritis-related antigen RA-A47
<b>Entrez Gene</b>	871 (Human)
<b>SwissProt</b>	P50454 (Human)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	AEVKKPAAAA APGTAEKLSP KAATLAERSA GLAFSLYQAM AKDQAVENIL VSPVVVASSL GLVSLGGKAT TASQAKAVLS AEQLRDEEVH AGLGELLRSL SNSTARNVTW KLGSRLYGPS SVSFADDFVR SSKQHYNCEH SKINFRDKRS ALQSINEWAA QTTDGLKPEV TKDVERTDGA LLVNAMFFKP HWDEKFHHKM VDNRGFMVTR SYTVGVMMMH RTGLYNYDD EKEKLQIVEM PLAHKLSSLI ILMPHHVEPL ERLEKLLTKE QLKIWMGKMQ KKAVAISLPK GVVEVTHDLQ KHLAGLGLTE AIDKNKADLS RMSGKKDLYL ASVFHATAFE LDTDGNPFDQ DIYGREELRS PKLFYADHPF IFLVRDTQSG SLLFIGRLVR PKGDKMRDEL VDHHHHHH
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.
<b>Directions for Use</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, CHIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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