

## Recombinant Human HP Protein

Catalog #	Source	Reactivity	Applications
CRP1677	E. coli	Human	E, WB, SDS-PAGE, MS

<b>Description</b>	Recombinant Human HP Protein is produced by E. coli expression system and the target gene encoding Val19-Asn406 is expressed with a 6His tag at the C-terminus.
<b>Form</b>	Lyophilized from a 0.2 μM filtered solution of PBS, 1mM DTT, pH 7.4.
<b>Gene Symbol</b>	HP
<b>Alternative Names</b>	Haptoglobin; Zonulin
<b>Entrez Gene</b>	3240 (Human)
<b>SwissProt</b>	P00738 (Human)
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE.
<b>Chemical Structure</b>	VDSGNDVTDI ADDGCPKPPE IAHGVEHSV RYQCKNYYKL RTEGDGVYTL NDKKQWINKA VGDKLPECEA DDGCPKPPEI AHGYVEHSVR YQCKNYYKLR TEGDGVYTLN NEKQWINKAV GDKLPECEAV CGKPKNPANP VQRILGGHLD AKGSFPWQAK MVSHHLLTTG ATLINEQWLL TTAKNLFLNH SENATAKDIA PTLTLYVGKK QLVEIEKVVL HPNYSQVDIG LIKQKQKQSV NERVMPICLP SKDYAEVGRV GYVSGWGRNA NFKFTDHLKY VMLPVADQDQ CIRHYEGSTV PEKKTpkSPV GVQPILNEHT FCAGMSKYQE DTCYGDAGSA FAVHDLEEDT WYATGILSFD KSCAVAEYGV YVKVTSIQDW VQKTIAENVD HHHHHH
<b>Quality Control</b>	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) 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 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Storage/Stability</b>	Lyophilized protein should be stored at -20°C, though stable at room temperature
<b>Application key:</b>	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
<b>Species reactivity key:</b>	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

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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