

Recombinant Human HP Protein

Catalog #	Source	Reactivity	Applications
CRP1676	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human HP Protein is produced by our mammalian expression system and the target gene encoding Val19-Asn406 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of PBS, 1mM DTT, pH 7.4.		
Gene Symbol	HP		
Alternative Names	Haptoglobin; Zonulin		
Entrez Gene	3240 (Human)		
SwissProt	P00738 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>VDSGNDVTDI ADDGCPKPPE IAHGVEHSV RYQCKNYYKL RTEGDGVYTL NDKKQWINKA VGDKLPECEA DDGCPKPPEI AHGYVEHSVR YQCKNYYKLR TEGDGVYTLN NEKQWINKAV GDKLPECEAV CGKPKNPANP VQRILGGHLD AKGSFPWQAK MVSHHNLTTG ATLINEQWLL TTAKNLFLNH SENATAKDIA PTLTLYVGKK QLVEIEKVVL HPNYSQVDIG LIKQKQKVSV NERVMPICLP SKDYAEVGRV GYVSGWGRNA NFKFTDHLKY VMLPVADQDQ CIRHYEGSTV PEKKTSPKSPV GVQPILNEHT FCAGMSKYQE DTCYGDAGSA FAVHDLEEDT WYATGILSFD KSCAVAEYGV YVKVTSIQDW VQKTIAENVD HHHHHH</p>		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	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.		

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

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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