

Recombinant Human CFP protein, His-tagged

Cat. No. CFP-901H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFP (Asp28-Leu469) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Asp28-Leu469
Description	Properdin is also known as Complement factor P, CFP, PFC, a positive regulator of the alternate pathway of complement. It binds to and stabilizes the C3- and C5-convertase enzyme complexes. Properdin is produced by many different leukocyte subsets and circulates as cyclic oligomers of monomeric subunits. Properdin on platelet/granulocyte aggregates(PGA) formation are tightly regulated by Factor H, properdin enhances PGA formation via increased production of C5a, and that inhibition of properdin function has therapeutic potential to limit thromboinflammation in diseases characterized by increased PGA formation.
Predicted N Terminal	Asp28
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 50.7 kDa. The protein migrates as 55 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CFP
Official Symbol	CFP
Synonyms	CFP; complement factor properdin; PFC, properdin P factor, complement; properdin; complement factor P; properdin P factor, complement; BFD; PFC; PFD; PROPERDIN
Gene ID	5199
mRNA Refseq	NM_001145252
Protein Refseq	NP_001138724
MIM	300383

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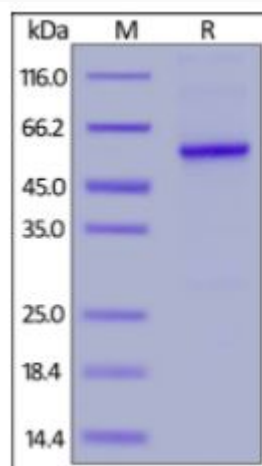
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UniProt ID

P27918

SDS-PAGE of CFP-901H



Human Properdin, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

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