

Recombinant Mouse CFP protein, His-tagged

Cat. No. CFP-210M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Properdin, His Tag is expressed from human 293 cells (HEK293). It contains AA Ser 23 - Pro 464 (Accession # P11680-1). (Accession # P11680-1).
Species	Mouse
Source	HEK293
ProteinLength	23-464 a.a.
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	Ser 23
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 49.8 kDa. The protein migrates as 55-60 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	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C 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 0.25 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

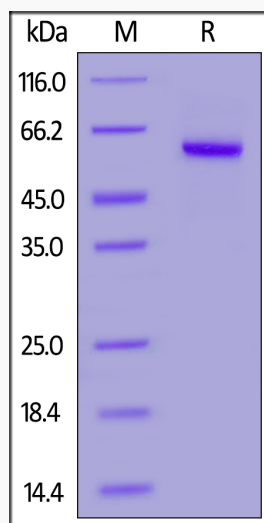
Gene Name	Cfp complement factor properdin [Mus musculus (house mouse)]
Official Symbol	CFP
Synonyms	Properdin, Complement factor P, CFP, PFC
Gene ID	18636
mRNA Refseq	NM_008823.4
Protein Refseq	NP_032849.2
UniProt ID	P11680

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**SDS-PAGE of CFP-
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