## 32-3518: CFP Recombinant Protein

Alternative Name : Properdin,Complement factor P,CFP,PFC,Complement factor properdin,BFD,PFD,PROPERDIN.

## Description

Source : Escherichia Coli. CFP Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 465 amino acids ( $28-469$ a.a.) and having a molecular mass of 50.9 kDa . CFP is fused to a 23 amino acid His-tag at N -terminus \& purified by proprietary chromatographic techniques. Complement Factor Properdin (CFP) which is a plasma glycoprotein, is a positive regulator of the alternative complement pathway of the innate immune system. CFP binds and stabilizes the C3- and C5-convertase enzyme complexes in a feedback loop that eventually ends with formation of the membrane attack complex and lysis of the target cell. Mutations in CFP lead to 2 forms of properdin deficiency that cause high susceptibility to meningococcal infections.

## Product Info

## Amount: $\quad 20 \mu \mathrm{~g}$

Purification: Greater than $80.0 \%$ as determined by SDS-PAGE.

## Content :

CFP protein solution ( $1 \mathrm{mg} / \mathrm{ml}$ ) containing 20mM Tris-HCl buffer ( pH 8.0 ), 0.4 M Urea and $10 \%$ glycerol.
Store at $4^{\circ} \mathrm{C}$ if entire vial will be used within $2-4$ weeks. Store, frozen at $-20^{\circ} \mathrm{C}$ for longer periods of

## Storage condition :

Amino Acid : time. For long term storage it is recommended to add a carrier protein ( $0.1 \%$ HSA or BSA).Avoid multiple freeze-thaw cycles.
MGSSHHHHHH SSGLVPRGSH MGSDPVLCFT QYEESSGKCK GLLGGGVSVE DCCLNTAFAY QKRSGGLCQP CRSPRWSLWS TWAPCSVTCS EGSQLRYRRC VGWNGQCSGK VAPGTLEWQL QACEDQQCCP EMGGWSGWGP WEPCSVTCSK GTRTRRRACN HPAPKCGGHC
PGQAQESEAC DTQQVCPTHG AWATWGPWTP CSASCHGGPH EPKETRSRKC SAPEPSQKPP GKPCPGLAYE QRRCTGLPPC PVAGGWGPWG PVSPCPVTCG LGQTMEQRTC NHPVPQHGGP FCAGDATRTH ICNTAVPCPV DGEWDSWGEW SPCIRRNMKS ISCQEIPGQQ SRGRTCRGRK FDGHRCAGQQ QDIRHCYSIQ HCPLKGSWSE WSTWGLCMPP CGPNPTRARQ RLCTPLLPKY PPTVSMVEGQ GEKNVTFWGR PLPRCEELQG QKLVVEEKRP CLHVPACKDP EEEEL.


