

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 50.9kDa. 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 :	20 µg
Purification :	Greater than 80.0% as determined by SDS-PAGE.
Content :	CFP protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGS DPVLCFT QYEESGKCK GLLGGGVSV E DCCLNTAFAY QKRSGGLCQP CRSPRWLSLWS TWAPCSVTCS EGSQRLRYRRC VGWNGQCSGK VAPGTLEWQL QACEDQCCP EMGGWSGWGP WEPCSVTCSK GTRTRRRACN HPAPKCGGHC PGQAQSEAC DTQVCPTHG AWATWGPWTP CSASCHGGPH EPKETR SRKC SAPEPSQKPP GKPCPLAYE QRRCTGLPPC PVAGGWGPWG PVSPCVTCG LGQTMEQRTC NHPVPQHGGP FCAGDATRTH ICNTAVPCPV DGEWDSWGEW SPCIRRNMKS ISCQEIPGQQ SRGRTRCRGRK FDGHRCAGQQ QDIRHCYSIQ HCPLKGSWSE WSTWGLCMPP CGPNPTRARQ RLCTPLLPKY PPTVSMVEGQ GEKNVTFWGR PLPRCEELQG QKLVVEEKRP CLHVPACKDP EEEEL.