
Product Data Sheet

Product Name: CFP Human
 Cat. No.: GP23136
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Properdin; Complement factor P; CFP; PFC; Complement factor properdin; BFD; PFD; PROPERDIN.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSDPVLCT QYEESGKCK GLLGGGVSV DCCLNTAFAY QKRSGGLCQP CRSPRWSLWS TWAPCSVTCS EGSQRLRYRRC VGWNGQCSGK VAPGTLEWQL QACEDQCCP EMGGWSGWGP WEPCSVTCSK GTRTRRRACN HPAPKCGGHC PGQAQESEAC DTQQVCPTHG AWATWGPWTP CSASCHGGPH EPKETRSRKC SAPEPSQKPP GKPCPLAYE QRRCTGLPPC PVAGGWGPWG PVSPCPVTCG LGQTMEQRTC NHPVPQHGGP FCAGDATRTH ICNTAVPCPV DGEWDSWGEW SPCIRRMKS ISCQEIPGQQ SRGRTCRGRK FDGHRCAGQQ QDIRHCYSIQ HCPLKGSWSE WSTWGLCMPP CGPNPTRARQ RLCTPLLPKY PPTVSMVEGQ GEKNVTFWGR PLPRCEELQG QKLVVEEKRP CLHVPACKDP EEEEL.		
Formulation	CFP protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

Background

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.

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