9051 Mira Mesa Blvd, #910094
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# CFP Human

*Complement Factor Properdin Human Recombinant*
*RCP0412*

## Product Overview

| | |
|---|---|
| Name | CFP Human |
| **Description** | |
| Complement Factor Properdin Human Recombinant | |
| Accession (Primary) | P27918 |
| **Synonyms** | |
| Properdin, Complement factor P, CFP, PFC, Complement factor properdin, BFD, PFD, PROPERDIN. | |
| **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. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered colorless solution. | |
| **Formulation** | |
| CFP protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol. | |
| **Stability** | |
| 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. | |
| **Purity** | |
| Greater than 80.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MGSSHHHHHH SSGLVPRGSH MGS DPVLCFT 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 | |

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NHPVPQHGGP FCAGDATRTH ICNTAVPCPV DGEWDSWGEW SPCIRRNMKS ISCQEIPGQQ SRGRTCRGRK FDGHRCAGQQ QDIRHCYSIQ HCPLKGSWSE WSTWGLCMPP CGPNPTRARQ RLCTPLLPKY PPTVSMVEGQ GEKNVTFWGR PLPRCEELQG QKLVVEEKRP CLHVPACKDP EEEEL.

**Precautions**

CFP Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( P27918 )