9051 Mira Mesa Blvd, #910094
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CFB-b Human

Complement Factor B Fragment b Human
RCP0404

Product Overview

Name	CFB-b Human
Description	
Complement Factor B Fragment b Human	
Accession (Primary)	P00751
Synonyms	
Complement factor B (EC:3.4.21.47), C3/C5 convertase, Glycine-rich beta glycoprotein, GBG, PBF2, Properdin factor B, Complement factor B Ba fragment, Complement factor B Bb fragment, CFB, Complement Factor B, BFD, AHUS4, BF, BFD, CFAB, FB, FBI12, H2-Bf.	
Introduction	
Complement Factor B, also known as CFB, encodes complement factor B which is a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Once the alternative pathway is activated it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease which connects with C3b to form the alternative pathway C3 convertase. Also, Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation.	
Source	
Human Plasma.	
Physical Appearance	
Sterile filtered solution.	
Formulation	
CFB-b solution (1mg/ml) contains Phosphate-buffered saline, pH 7.3.	
Stability	
CFB-b Human is stable at 4°C if entire vial will be used within 2-4 weeks. Store, frozen below -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 95.0% as determined by SDS-PAGE.	
Human Virus Test	
Plasma from each donor has been tested and found negative for antibody to HIV-1, HIV-2, HCV and HBSAG.	

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Precautions

CFB-b Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00751)