9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CFB Human, Native

Complement Factor B Human
RCP0401

Product Overview

Name	CFB Human, Native
Description	
Complement Factor B Human	
Accession (Primary)	P00751
Synonyms	
CFB, C3/C5 convertase, Glycine-rich beta glycoprotein, GBG, PBF2, Properdin factor B, BF, BFD, AHUS4, ARMD14, CFAB, CFBD, FB, FBI12, GBG, 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 protein solution contains 10mM Sodium phosphate and 145mM NaCl, pH 7.2.	
Stability	
CFB 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.	
Precautions	

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CFB Human, Native is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00751)