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## Product Data Sheet

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Product Name: CFB-a Human  
Cat. No.: GP26250  
Batch No.: 1

### Product Data

Purity	>98%	Source	Human Plasma.
Physical Appearance	solid	Shipping Condition	withIcePacks
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.		
Formulation	CFB-a solution (1mg/ml) contains Phosphate-buffered saline, pH 7.3.		

### 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.

### Stability

CFB-a 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.

### Background

CFB-a Human produced in Human Plasma having a molecular mass of 33 kDa.

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

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