

## 32-13147: CFB Human, Sf9

### Alternative Name :

CFB, AHUS4, ARMD14, BF, BFD, CFAB, CFBD, FB, FBI12, GBG, H2-Bf, PBF2, Complement Factor B, B-Factor, Properdin, Properdin Factor B, C3/C5 Convertase, EC 3.4.21.47, PBF2, Glycine-Rich Beta-Glycoprotein, Glycine-Rich Beta Glycoprotein, C3 Proaccelerator, C3 Proactivator, EC 3.4.2, FBI12, H2-Bf.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

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.

CFB Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 245 amino acids (26-259a.a.) and having a molecular mass of 27.3kDa (Molecular size on SDS-PAGE will appear at approximately 28-40 kDa). CFB is expressed with a 11 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

#### Amount :

2 µg / 10 µg

#### Purification :

Greater than 95.0% as determined by SDS-PAGE.

#### Content :

CFB protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

#### Storage condition :

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.

#### Amino Acid :

ADPEFTPWSL ARPQGSCSLE GVEIKGGSFR LLQEGQALEY VCPSGFYYP VQTRTCRSTG SWSTLKTQDQ  
KTVRKAECRA IHCPRPHDFE NGEYWPRSPY YNVSDEISFH CYDGYTLRGS ANRTCQVNGR WSGQTAICDN  
GAGYCSNPGI PIGTRKVGSG YRLEDSVTYH CSRGLTLRGS QRRTCQEGGS WSGTEPSCQD  
SFMYDTPQEV AEAFSSLTE TIEGVDAEDG HGPGEQQRH HHHHH.