

32-3514: CFB (26-259) Recombinant Protein

Alternative Name : 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-

Description

Source : Escherichia Coli. CFB (26-259) Human Recombinant produced in E. coli is. a single polypeptide chain containing 257 amino acids and having a molecular mass of 28.4kDa. CFB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. 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.

Product Info

Amount : 20 µg
Purification : Greater than 85.0% as determined by SDS-PAGE.
Content : The CFB solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.
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 : MGSSHHHHHH SSGLVPRGSQ SHMTPWSLAR PQGSCSLEGV EIKGGSFRL QEGQALEYVC
 PSGFYYPVQ TRTCRSTGSW STLKTQDQKT VRKAECRAIH CPRPHDFENG EYWPRSPYYN
 VSDEISFHCY DGYTLRGSAN RTCQVNGRWS GQTAICDNGA GYCSNPGIPI GTRKVG SQYR
 LEDSVTYHCS RGLTLRGSQR RTCQEGGSWS GTEPSCQDSF MYDTPQEVAE AFLSSLTETI
 EGVDAEDGHG PGEQQKR.

