## **Product information**



CFB, 26-259aa

## Human, His-tagged, Recombinant, E.coli

Cat. No. IBATGP2541

NCBI Accession No.: NP 001701 Full name: complement factor B preproprotein

Synonym: AHUS4, BF, BFD, CFAB, FB, FBI12, GBG, H2-Bf, PBF2

Description: CFB is complement factor B, a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Upon activation of the alternative pathway, 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 associates with C3b to form the alternative pathway C3 convertase. Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation. Recombinant human CFB protein, fused to His-tag at N-terminus, was expressed in *E.coli*.

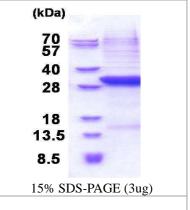
Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol,

0.4M Urea

Molecular Weight: 28.4 kDa (257aa)

Purity: > 85% by SDS - PAGE

Concentration: 1mg/ml (determined by Bradford assay)



## Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSQ SHMTPWSLAR PQGSCSLEGV EIKGGSFRLL QEGQALEYVC PSGFYPYPVQ TRTCRSTGSW STLKTQDQKT VRKAECRAIH CPRPHDFENG EYWPRSPYYN VSDEISFHCY DGYTLRGSAN RTCQVNGRWS GQTAICDNGA GYCSNPGIPI GTRKVGSQYR LEDSVTYHCS RGLTLRGSQR RTCQEGGSWS GTEPSCQDSF MYDTPQEVAE AFLSSLTETI EGVDAEDGHG PGEQQKR

## **General references:**

Mejia J.E., et al (1994). Hum. Immunol. 39:49-53

Schwaeble W., et al (1993). Immunobiology 188:221-232

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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