

Product information



CFB, 26- 259aa

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

Cat. No. IBATGP2541

Full name: complement factor B preproprotein

NCBI Accession No.: NP_001701

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*.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea</p> <p>Molecular Weight: 28.4 kDa (257aa)</p> <p>Purity: > 85% by SDS - PAGE</p> <p>Concentration: 1mg/ml (determined by Bradford assay)</p>	<p>(kDa)</p> <p>70 57 40 28 18 13.5 8.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p><u>MGSSHHHHH SSGLVPRGSQ SHMTPWSLAR PQGSCSLEGV EIKGGSFRL QEQQALEYVC PSGFYYPVQ TRTCRSTGSW STLKTQDQKT VRKAECRAIH CPRPHDFENG EYWPRSPYYN VSDEISFHCY DGYTLRGSAN RTCQVNGRWS GQTAICDNGA GYCSNPGIPI GTRKVG SQYR LEDSVTYHCS RGLTLRGSQR RTCQEGGSWS GTEPSCQDSF MYDTPQEVAE AFLSSLTETI EGVDAEDGHG PGEQQKR</u></p>	

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.



Manufactured for:

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