

AR51361PU-S**Human Complement factor B (His-tag) - Purified**

Alternate names:	BF, BFD, C3/C5 convertase, CFB, Glycine-rich beta glycoprotein, PBF2, Properdin factor B
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	P00751
NCBI:	NP_001701
GeneID:	629
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea
Description:	Recombinant human CFB protein, fused to His-tag at N-terminus, was expressed in E.coli. AA Sequence: MGSSHHHHHH SGLVPRGSQ SHMTPWSLAR PQGSCSLEGV EIKGGSFRL L QEQQALEYVC PSGFYPYPVQ TRTCRSTGSW STLKTQDQKT VRKAECRAIH CPRPHDFENG EYWPRSPYYN VSDEISFHCY DGYTLRGSAN RTCQVNGRWS GQTAICDNGA GYCSNPGIPI GTRKVG SQYR LED SVTYHCS RGLTLRGSQR RTCQEGGSWS GTEPSCQDSF MYDTPQEVAE AFLSSLTETI EGVDAEDGHG PGEQQKR Molecular weight: 28.4 kDa (257aa)
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Mejia J.E., et al (1994). Hum. Immunol. 39:49-53 Schwaeble W., et al (1993). Immunobiology 188:221-232

Pictures:

