Recombinant Human CFB protein, His-tagged

Cat. No. CFB-141H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CFB(26-259aa) fused with His tag at C-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
ProteinLength	26-259 a.a.
Description	CFB, also known as complement factor B, is 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.
Form	Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Molecular Mass	27.3kDa (245aa) 28-40KDa (SDS-PAGE under reducing conditions.)
AA Sequence	ADPEFTPWSL ARPQGSCSLE GVEIKGGSFR LLQEGQALEY VCPSGFYPYP VQTRTCRSTG SWSTLKTQDQ KTVRKAECRA IHCPRPHDFE NGEYWPRSPY YNVSDEISFH CYDGYTLRGS ANRTCQVNGR WSGQTAICDN

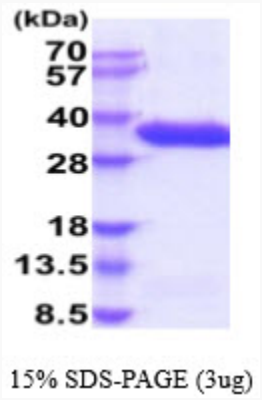
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	GAGYCSNPGI PIGTRKVGSQ YRLEDSVTYH CSRGLTLRGS QRRTCQEGGS WSGTEPSCQD SFMYDTPQEV AEAFLSSLTE TIEGVDAEDG HGPGEQQKRH HHHHH
Endotoxin	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Purity	> 95% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4 centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20 centigrade or -70 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5mg/ml (determined by Absorbance at 280nm)

GENE INFORMATION

Gene Name	CFB complement factor B [Homo sapiens]
Official Symbol	CFB
Synonyms	CFB; complement factor B; B factor, properdin , BF, BFD; H2 Bf; C3 proactivator; C3/C5 convertase; C3 proaccelerator; properdin factor B; B-factor, properdin; glycine-rich beta glycoprotein; glycine-rich beta-glycoprotein; BF; FB; BFD; GBG; CFAB; PBF2; AHUS4; FBI12; H2-Bf; FLJ54899;
Gene ID	629
mRNA Refseq	NM_001710

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Protein Refseq	NP_001701
UniProt ID	P00751
Chromosome Location	6p21.3
Pathway	Activation of C3 and C5, organism-specific biosystem; Alternative complement activation, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Complement cascade, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem;
Function	complement binding; peptidase activity; serine-type endopeptidase activity;
	 15% SDS-PAGE (3ug)

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