PRODUCT INFORMATION

Target	CFB
Synonyms	AHUS4;ARMD14;BF;BFD;CFAB;CFBD;FB;FBI12;GBG;H2-Bf;PBF2
Description	Recombinant Human CFB with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	P00751
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	CFB(Thr26-Leu764) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 109.2 kDa after removal of the signal peptide.The apparent molecular mass of CFB-hFc is approximately 100-130 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes 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. This gene localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. This cluster includes several genes involved in regulation of the immune reaction. Polymorphisms in this gene are associated with a reduced risk of age-related macular degeneration. The polyadenylation site of this gene is 421 bp from the 5' end of the gene for complement component 2. [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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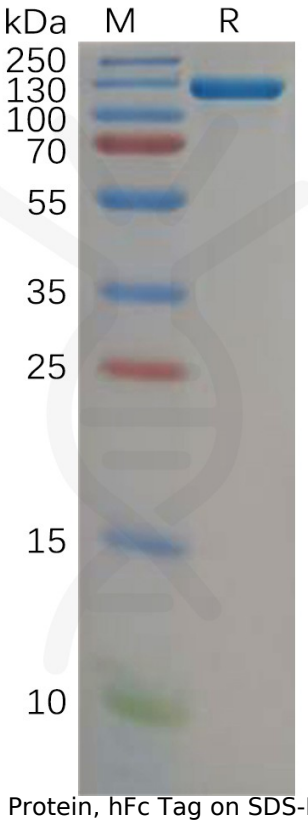


Figure 1. Human CFB Protein, hFc Tag on SDS-PAGE under reducing condition.

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