

Complement Factor B Recombinant Protein | CFB recombinant protein

Recombinant Human Complement Factor B (26-259 a.a.)

CATALOG # AAA39091	HOST E Coli
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PRODUCT SYNONYMS

Complement Factor B; Recombinant Human Complement Factor B (26-259 a.a.); CFB (26-259) Human; Complement Factor B (26-259 a.a.) Human Recombinant; Complement factor B (EC:3.4.21.47); C3/C5 convertase; Glycine-rich beta glycoprotein; GBC; PBF2; Properdin factor B; Complement factor B Ba fragment; Complement factor B Bb fragment; CFB; BFD; AHUS4; BF; CFAB; FB; FBI12; H2-Bf; CFB (26-259); CFB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	The CFB (26-259) solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea. Sterile Filtered colorless solution.
Sequence	MGSSHHH HHHSSGLVPR GSQSHM TPWSLARPQG SCSLEGVEIK GGSFRLQEG QALEYVCPSG FYYPVQTRT CRSTGSWSTL KTQDQKTVRK AECRAIHCPR PHDFENGGEYW PRSPYYNVSD EISFHCYDGY TLRGSANRTC QVNGRWSGQT AICDNGAGYC SNPGIPIGTR KVGSRQYRLED SVTYHCSRGL TLRGSQRRTC QEGGSWSGTE PSCQDSFMYD TPQEVAEAFI SSLTETIEGV DAEDGHGPGE QQKR
Sequence Length	764
Preparation and Storage	Store at 4 degree C if entire vial will be used within 2-4 weeks. Store, frozen at -20 degree C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

ADDITIONAL INFORMATION

Related Product Information for CFB recombinant protein	Description: CFB (26-259) Human Recombinant produced in E Coli is. a single polypeptide chain containing 257 amino acids and having a molecular mass of 28.4kDa. CFB (26-259) is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Introduction: Complement Factor B, also known as CFB, encodes complement factor B which is a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Once the alternative pathway is activated 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 connects with C3b to form the alternative pathway C3 convertase. Also, Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation.
Product Categories/Family for CFB recombinant protein	Recombinant & Natural Proteins; Recombinant Proteins; Complement Component

NCBI AND UNIPROT INFORMATION

NCBI GI #	67782358
NCBI GeneID	629
NCBI Accession #	NP_001701.2
NCBI GenBank Nucleotide #	NM_001710.5

UniProt Accession #	P00751; O15006; Q29944; Q53F89; Q5JP67; Q5ST50; Q96HX6; Q9BTF5; Q9BX92; B0QZQ6
Molecular Weight	68,872 Da
NCBI Official Full Name	complement factor B preproprotein
NCBI Official Synonym Full Names	complement factor B
NCBI Official Symbol	CFB
NCBI Official Synonym Symbols	BF; FB; BFD; GBG; CFAB; CFBD; PBF2; AHUS4; FBI12; H2-Bf; ARMD14
NCBI Protein Information	complement factor B; B-factor, properdin; C3 proaccelerator; C3 proactivator; C3/C5 convertase; glycine-rich beta glycoprotein; glycine-rich beta-glycoprotein; properdin factor B
UniProt Protein Name	Complement factor B
UniProt Gene Name	CFB
UniProt Synonym Gene Names	BF; BFD; GBG
UniProt Entry Name	CFAB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cfb-recombinant-protein-e-coli/39091>