

## Complement Factor B Active Protein | CFB active protein

Active Complement Factor B (CFB)

CATALOG #  
**AAA150124**

APPLICATIONS  
**Activity Assay, Cell Culture**

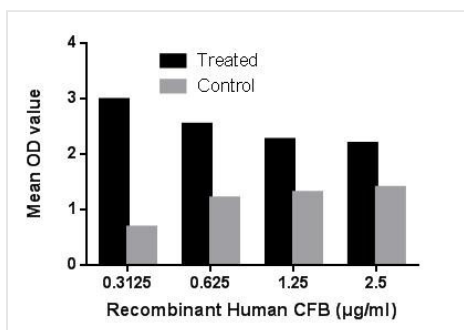
### PRODUCT SYNONYMS

Complement Factor B; Active Complement Factor B (CFB); CF-B; BF; BFD; CFAB; GBG; H2-Bf; PBF2; B-Factor; Properdin; Properdin factor B; C3/C5 convertase; Glycine-rich beta glycoprotein; CFB active protein

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purity/Purification                            | >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Form/Format                                    | Freeze-dried powder<br>20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                                                                                                                                        |
| Sequence Positions                             | Gly35-Asn160                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Sequence Length                                | 764                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for CFB active protein | Activity Assay, Cell Culture                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Species                                        | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tag                                            | N-terminal His and GST Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Isoelectric Point                              | 6.7                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Reconstitution                                 | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                 |
| Preparation and Storage                        | Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles.<br>Stability: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

### IMAGES



Gene Sequencing  
Figure. Gene Sequencing (Extract)

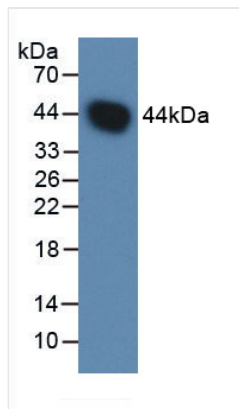
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GSCSLE GVEIKGGSFR
LLQEGQALEY VCPSGFYPPY VQTRTCRSTG SWSTLKTQDQ KTVRKAECRA
IHCPRPHDFE NGEYMPSPY YNVSDEISFH CYDGYTLRGS ANRTCQVNGR
WSGQTAICDN

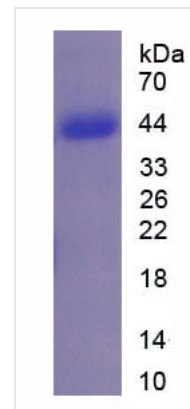
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#### Application Data

Figure. The hemolysis activity of recombinant human CFB



WB (Western Blot)  
Figure. Western Blot



SDS-PAGE  
Figure. SDS-PAGE

## ADDITIONAL INFORMATION

Product Categories/Family for CFB active protein

Infection immunity; Immune molecule; Hematology; Autoimmunity

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                     |
|----------------------------------|---------------------------------------------------------------------|
| NCBI GI #                        | 67782358                                                            |
| NCBI GeneID                      | 629                                                                 |
| NCBI Accession #                 | NP_001701.2                                                         |
| NCBI GenBank Nucleotide #        | NP_001701.2                                                         |
| UniProt Accession #              | P00751                                                              |
| Molecular Weight                 | Predicted Molecular Mass: 44.3kDa<br>Accurate Molecular Mass: 44kDa |
| 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                                                 |
| UniProt Protein Name             | Complement factor B                                                 |
| UniProt Gene Name                | <b>CFB</b>                                                          |
| 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-active-protein/complement-factor-b/150124>