

Datasheet for ABIN7092743

**Complement Factor B Protein (CFB) (AA 26-764) (Fc Tag)**[Go to Product page](#)**1** Image

## Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 100 µg  |
| Target:                       | Complement Factor B (CFB)                                 |
| Protein Characteristics:      | AA 26-764   |
| Origin:                       | Human   |
| Source:                       | HEK-293 Cells   |
| Protein Type:                 | Recombinant   |
| Purification tag / Conjugate: | This Complement Factor B protein is labelled with Fc Tag. |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Recombinant Human CFB with C-terminal human Fc tag  |
| Specificity:     | CFB (Thr26-Leu764) hFc (Glu99-Ala330)   |
| Characteristics: | Extracellular Domain Protein  |
| Purification:    | Purified from cell culture supernatant by affinity chromatography                                     |
| Purity:          | The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining. |

## Target Details

|                   |  |
|-------------------|--|
| Target:           | Complement Factor B (CFB)  |
| Alternative Name: | CFB ( <a href="#">CFB Products</a> )   |
| Background:       | This gene encodes complement factor B, a component of the alternative pathway of |

## Target Details

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]

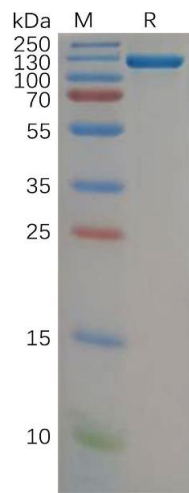
|                   |  |
|-------------------|--|
| Molecular Weight: | predicted molecular mass of 109.2 kDa after removal of the signal peptide. The apparent molecular mass of CFB-hFc is 100-130 kDa due to glycosylation. |
| UniProt:          | <a href="#">P00751</a>   |
| Pathways:         | <a href="#">Complement System</a> , <a href="#">Proton Transport</a> , <a href="#">Ribonucleoside Biosynthetic Process</a>                             |

## Application Details

|               |                       |
|---------------|-----------------------|
| Restrictions: | For Research Use only |
|---------------|-----------------------|

## Handling

|                  |  |
|------------------|--|
| Format:          | Lyophilized  |
| Buffer:          | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.  |
| Storage:         | -20 °C, -80 °C   |
| Storage Comment: | 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).<br>Lyophilized proteins are shipped at ambient temperature. |
| Expiry Date:     | 12 months  |



SDS-PAGE

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