

# Recombinant Human CFB

Catalog No: #GP12387



Package Size: #GP12387-1 100ug

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## Description

Product Name	Recombinant Human CFB
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 615-764 amino acids of human CFB
Target Name	complement factor B
Other Names	BF; FB; BFD; GBG; CFAB; CFBD; PBF2; AHUS4; FBI12; H2-Bf; ARMD14
Accession No.	Swissprot:P00751Gene Accession:BC004143
Uniprot	P00751
GeneID	629;
Storage	-20~-80°C, pH 7.6 PBS

## 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.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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