

HuPro®

Full-Length

CFB (Human) Recombinant Protein

Catalog # P5888

Size 100 ug

Specification

Product Description	Human CFB full-length recombinant protein contains N-linked glycans of the short and simple man5-GlcNAc2 type with N-terminal hexahistidine tag expressed in in HEK293EBNA2 cells.
Host	Human
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293EBNA1) expression system
Concentration	1.3 mg/mL
Storage Buffer	In 25 mM Tris, 150 mM NaCl, pH 7.5 without preservative
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — CFB

Entrez GeneID	629
Gene Name	CFB
Gene Alias	BF, BFD, CFAB, FB, FBI12, GBG, H2-Bf, PBF2
Gene Description	complement factor B

Omim ID [138470 603075](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

Other Designations

B-factor, properdin|C3 proaccelerator|C3 proactivator|C3/C5 convertase|OTTHUMP00000029283|OTTHUMP00000174690|glycine-rich beta-glycoprotein

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Abortion](#)
- [Alzheimer disease](#)
- [Ataxia telangiectasia](#)
- [Birth Weight](#)
- [Cardiovascular Diseases](#)
- [Choroid Diseases](#)
- [Choroidal Neovascularization](#)
- [Choroiditis](#)
- [Coronary Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)

- [Diseases in Twins](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hemolytic-Uremic Syndrome](#)
- [HIV Infections](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Peripheral Vascular Diseases](#)
- [Retinal Diseases](#)
- [Retinal Drusen](#)
- [Spinocerebellar ataxia](#)
- [Vision](#)