Recombinant Human Complement factor B/CFB Protein

Catalog No.: RP03251LQ

Sequence Information

Species
Human

Gene ID
629

Swiss Prot
P00751

Tags
C-His

Synonyms
Complement Factor B; C3/C5 Convertase; Glycine-Rich Beta Glycoprotein; GBG; PBF2; Properdin Factor B; CFB; BF; BFD

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE;≥95 % as determined by HPLC.

Calculated MW
84.07 kDa

Observed MW
90-120 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, pH 8.0. Contact us for customized product form or formulation.

Reconstitution
Please contact us for reconstitution instructions.

Background

Complement Factor B (CFB) belongs to the peptidase S1 family of enzymes. It is expressed by hepatocytes and macrophages and localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. CFB which is a component of the alternate pathway of the complement system is cleaved by factor D into 2 fragments: Ba and Bb. 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.

Basic Information

Description
Recombinant Human Complement factor B/CFB Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Thr26-Leu764) of Human Complement factor B/CFB (Accession #AAH04143.1) fused with His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

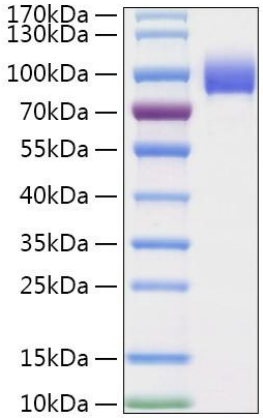
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

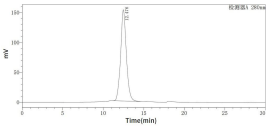
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Validation Data



Recombinant Human Complement factor B/CFB Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



The purity of Human CFB is greater than 95% as determined by SEC-HPLC.

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