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CFB Human, Sf9

Complement Factor B Human Recombinant, Sf9
RCP0402

Product Overview

Name	CFB Human, Sf9

Description

Complement Factor B Human Recombinant, Sf9

Accession (Primary)	P00751

Synonyms

CFB, AHUS4, ARMD14, BF, BFD, CFAB, CFBD, FB, FBI12, GBG, H2-Bf, PBF2, Complement Factor B, B-Factor, Properdin, Properdin Factor B, C3/C5 Convertase, EC 3.4.21.47, PBF2,Glycine-Rich Beta-Glycoprotein, Glycine-Rich Beta Glycoprotein, C3 Proaccelerator, C3 Proactivator , EC 3.4.2, FBI12, H2-Bf.

Introduction

Complement Factor B, also known as CFB, encodes complement factor B which is a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Once the alternative pathway is activated 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 connects with C3b to form the alternative pathway C3 convertase. Also, Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

CFB protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Amino acid sequence

ADPEF TPWSL ARPQGSCSLE GVEIKGGSFR LLQEGQALEY VCPSGFYPYP VQTRTCRSTG SWSTLKTQDQ KTVRKAECRA IHCPRPHDFE NGEYWPRSPY YNVSDEISFH CYDGYTLRGS ANRTCQVNGR WSGQTAICDN

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GAGYCSNPGI PIGTRKVGSQ YRLEDSVTYH CSRGLTLRGS QRRTCQEGGS WSGTEPSCQD SFMYDTPQEV AEAFLSSLTE TIEGVDAEDG HGPGEQQKR H HHHHH .

Precautions

CFB Human, Sf9 is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00751)