9051 Mira Mesa Blvd, #910094
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Tel: 760-390-3989

CFB (26-259) Human

Complement Factor B (26-259 a.a.) Human Recombinant
RCP0399

Product Overview

Name	CFB (26-259) Human
Description	
Complement Factor B (26-259 a.a.) Human Recombinant	
Accession (Primary)	P00751
Synonyms	
Complement factor B (EC:3.4.21.47), C3/C5 convertase, Glycine-rich beta glycoprotein, GBG, PBF2, Properdin factor B, Complement factor B Ba fragment, Complement factor B Bb fragment, CFB, Complement Factor B, BFD, AHUS4, BF, BFD, CFAB, FB, 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	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CFB solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.	
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 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSQ SHM TPWSLAR PQGSCSLEGV EIKGGSFRLL QEGQALEYVC PSGFYPYPVQ TRTCRSTGSW STLKTQDQKT VRKAECRAIH CPRPHDFENG EYWPRSPYYN VSDEISFHCY DGYTLRGSAN	

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RTCQVNGRWS GQTAICDNGA GYCSNPGIPI GTRKVGSQYR LEDSVTYHCS RGLTLRGSQR RTCQEGGSWS GTEPSCQDSF MYDTPQEVAE AFLSSLTETI EGVDAEDGHG PGEQQKR.

Precautions

CFB (26-259) Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P00751)