9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CFB Human

Complement Factor B Human Recombinant
RCP0400

Product Overview

Name	CFB Human
Description	
Complement Factor B 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), 0.4M UREA 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 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS KIVLDPS GSMNIYLVLD GSDSIGASNF TGAKKCLVNL IEKVASYGVK PRYGLVTYAT YPKIWVKVSE ADSSNADWVT KQLNEINYED HKLKSGTNTK KALQAVYSMM SWPDDVPPEG	

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WNRTRHVIIL MTDGLHNMGG DPITVIDEIR DLLYIGKDRK NPREDYLDVY VFGVGPLVNQ VNINALASKK DNEQHVFKVK DMENLEDVFY QMIDESQSLS LCGMVWEHRK GTDYHKQPWQ AKISVIRPSK GHESCMGAVV SEYFVLTAAH CFTVDDKEHS IKVSVGGEKR DLEIEVVLFH PNYNINGKKE AGIPEFYDYD VALIKLKNKL KYGQTIRPIC LPCTEGTTRA LRLPPTTTCQ QQKEELLPAQ DIKALFVSEE EKKLTRKEVY IKNGDKKGSC ERDAQYAPGY DKVKDISEVV TPRFLCTGGV SPYADPNTCR GDSGGPLIVH KRSRFIQVGV ISWGVVDVCK NQKRQKQVPA HARDFHINLF QVLPWLKEKL QDEDLGFL.

Precautions

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

Target Information: (P00751)