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32-3513: CFB Recombinant Protein

Alternative Name :	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-

Description

Source : Escherichia Coli. CFB Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 528 amino acids (260-764) and having a molecular mass of 59.4 kDa.CFB is fused to a 23 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	The CFB solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSKIVLDPS GSMNIYLVLD GSDSIGASNF TGAKKCLVNL IEKVASYGVK PRYGLVTYAT YPKIWVKVSE ADSSNADWVT KQLNEINYED HKLKSGTNTK KALQAVYSMM SWPDDVPPEG 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.