

32-13148: CFB (260-764) Human, Sf9

Alternative Name : CFB, C3/C5 convertase, Glycine-rich beta glycoprotein, GBG, PBF2, Properdin factor B, BF, BFD, AHUS4, ARMD14, CFAB, CFBD, FB, FBI12, GBG, H2-Bf.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

Factor B is a protein, build from a single chain that circulates in the blood. Complement factor D cleaves and activates factor B, thus creating a catalytic subunit Bb and noncatalytic chain Ba. Subunit Bb is a serine protease that can bind to C3b and forms alternative pathway C3 convertase. Subunit Ba acts as an inhibitor for proliferation of lymphocytes, when Bb is part of the lymphocytes' proliferation. The gene that codes for this protein is located on chromosome six.

CFB Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 514 amino acids (260-764 a.a) and having a molecular mass of 58.1kDa. CFB is fused to an 9 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : CFB protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 20% 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 : ADPKIVLDPS GSMNIYLVLD GSDSIGASNF TGAKKCLVNL IEKVASYGVK
PRYGLVTYATYPKIWVKVSE ADSSNADWVT KQLNEINYED HKLKSGTNTK KALQAVYSMM
SWPDDVPPEGWNRTRHVIIL MTDGLHNMGG DPITVIDEIR DLYIGKDRK NPREDYLDVY
VFGVGPLVNQVNINALASKK DNEQHVFKVK DMENLEDVFY QMIDESQSLS LCGMVWEHRK
GTDYHKQPWQAKISVIRPSK GHESCMGAVV SEYFVLTAH CFTVDDKEHS IKVSVGGEKR
DLEIEVVLFPNYNINGKKE AGIPEFYDYD VALIKLKNKL KYGQTIRPIC LPCTEGTTRA
LRLPPTTTCQQQKEELLPAQ DIKALFVSEE EKKLTRKEVY IKNGDKKGSC ERDAQYAPGY
DKVKDISEVVTFRFLCTGGV SPYADPNTCR GDSGGPLIVH KRSRFIQGVV ISWGVVDVCK
NQKRQKQVPA HARDFHINLF QVLPWLKEKL QDEDLGFLHH HHHH