

Cetrorelix

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HRM0010

Product Overview

Name Cetrorelix

Description

Cetrorelix

Synonyms

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

Introduction

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.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered colorless solution.

Formulation

CFB protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 20% 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 90.0% as determined by SDS-PAGE.

Amino acid sequence

ADP KIVLDPS GSMNIYLVLD GSDSIGASNF TGAKKCLVNL IEKVASYGVK PRYGLVTYAT YPKIWVKVSE
ADSSNADWVT KQLNEINYED HKLKSGTNTK KALQAVYSMM SWPDDVPPEG WNRTRHVIL MTDGLHNMGG
DPITVIDEIR DLLYIGKDRK NPREDYLDVY VFGVGPLVNQ VNINALASKK DNEQHVFKVK DMENLEDVFY
QMIDESQSLS LCGMVWEHRK GTDYHKQPWQ AKISVIRPSK GHESCMGAVV SEYFVLTA AH CFTVDDKEHS
IKVSVGGEKR DLEIEVVL FH PNYNINGKKE AGIPEFYD YD VALIKLKNKL KYGQTIRPIC LPCTEGTTRA

LRLPPTTTCQ QQKEELLPAQ DIKALFVSEE EKKLTRKEVY IKNGDKKKGSC ERDAQYAPGY DKVKDISEVV
TPRFLCTGGV SPYADPNTCR GDSGGPLIVH KRSRFIQGV ISWGVVDVCK NQKRQKQVPA HARDFHINLF
QVLPWLKEKL QDEDLGFL HH HHHH

Precautions

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