83103 Avenue 48, Ste.1B #204
Coachella, CA 92236 USA
Phone : +1.6268339877
Email : info@cali-bio.com

California Bioscience

Product Datasheet

Product Name	Activated Protein C Human Recombinant
Cata No	CB500525
Source	*Chinese Hamster Ovary Cells (CHO).*
Synonyms	Coagulation factor V, Activated protein C cofactor, FVL, PCCF, factor V, APC.

Description

Activated Protein C exerts an antithrombotic effect by inhibiting Factors Va and VIIIa.
In vitro data indicate that Activated Protein C has indirect profibrinolytic activity through its ability to inhibit plasminogen activator inhibitor-1 (PAI-1) and limiting generation of activated thrombin-activatable-fibrinolysis-inhibitor.
Additionally, *in vitro* data indicate that Activated Protein C may exert an anti-inflammatory effect by inhibiting human tumor necrosis factor production by monocytes, by blocking leukocyte adhesion to selectins, and by limiting the thrombin-induced inflammatory responses within the microvascular endothelium.
Activated Protein C Human Recombinant produced in CHO is a disulfide-linked homodimeric, glycosylated, polypeptide chain having a molecular mass of 55kDa.
Activated Protein C Human Recombinant is a serine protease with the same amino acid sequence and glycosilation sites as the human plasma-derived Activated Protein C.
The APC is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Purity

Greater than 99.0% as determined by:
(a) Analysis by RP-HPLC.
(b) Analysis by SDS-PAGE..

Formulation

Each mg protein contains 7. 6mg sodium chloride, 1.5 mg citrate and 6 mg sucrose.

Stability

Lyophilized Factor V although stable at room temperature for 3 weeks, should be stored desiccated below -18℃. Upon reconstitution APC should be stored at 4℃ between 2-7 days and for future use below
-18℃.
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Please prevent freeze-thaw cycles.