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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

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## Recombinant Human Activated Protein C

**CLENZ349**  
**CLENZ349-2**  
**CLENZ349-3**

**Lot:**

**Introduction:** 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.

**Description:** Recombinant Human Activated Protein C produced in CHO is a disulfide-linked homodimeric, glycosylated, polypeptide chain having a molecular mass of 55 kDa.

Recombinant Human Activated Protein C is a serine protease with the same amino acid sequence and glycosylation sites as the human plasma-derived Activated Protein C.

The APC is purified by proprietary chromatographic techniques.

**Synonyms:** Coagulation factor V, Activated protein C cofactor, FVL, PCCF, factor V, APC.

**Source:** Chinese Hamster Ovary Cells (CHO).

**Presentation:** 50 µg (CLENZ349), 200 µg (CLENZ349-2), or 1 mg (CLENZ349-3), sterile filtered white lyophilized (freeze-dried) powder. Each mg protein contains 7.6 mg sodium chloride, 1.5 mg citrate, and 6 mg sucrose.

**Solubility:** It is recommended to reconstitute the lyophilized Coagulation factor V in sterile 18MΩ-cm H<sub>2</sub>O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:** Lyophilized Factor V although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution APC should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

**Purity:**

Greater than 99.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

**Laboratory Reagent For Research Use Only**

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4410 Paletta Court, Burlington, ON L7L 5R2 ph: (289) 288-0001, fax: (289) 288-0020  
e-mail: general@cedarlanelabs.com

In the USA: Toll Free: 1-800-721-1644

1210 Turrentine Street, Burlington, NC 27215 ph: (336) 513-5135, fax: (336) 513-5138  
e-mail: service@cedarlanelabs.com