

**Product:** Activated Protein C, human, recombinant  
**Catalog #:** 12-4354  
**Amount:** 5 µg

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**DESCRIPTION:** Recombinant human Activated Protein C (rHuAPC)  
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.  
rHuAPC is a disulfide-linked homodimeric, glycosylated, Polypeptide chain having a molecular mass of 55kDa. It is a serine protease with the same amino acid sequence and glycosylation sites as the human plasma-derived Activated Protein C

**SOURCE:** *Chinese Hamster Ovary Cells*

**PURITY:** > 99%, as determined by:  
a) Analysis by RP-HPLC  
b) Anion-exchange FPLC  
c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

**ENDOTOXIN:** < 0.1 ng/µg (IEU/µg) of APC

**DIMERS AND AGGREGATES:** < 1% as determined by silver-stained SDS-PAGE gel analysis

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1) UV spectroscopy at 280 nm  
2) Analysis by RP-HPLC, using a standard solution of APC as a Reference Standard

**FORM:** Purified, in 7.6mg sodium chloride, 1.5mg citrate and 6mg sucrose

**STORAGE:** -20°C (aliquot), avoid freezing and thawing cycles

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