

## coagulation factor Xa

Cat. No. EXWM-4150

Lot. No. (See product label)

### Introduction

#### Description

A blood coagulation factor formed from the proenzyme factor X by limited proteolysis. Factor X is a glycoprotein composed of a heavy chain and a light chain, which are generated from a precursor protein by the excision of the tripeptide RKR and held together by one or more disulfide bonds. The activated factor Xa converts prothrombin to thrombin in the presence of factor Va, Ca<sup>2+</sup> and phospholipids. Scutellarin (EC 3.4.21.60) has similar specificity, but does not require factor Va.

#### Synonyms

thrombokinas; prothrombase; prothrombinase; activated blood-coagulation factor X; autoprotease; thromboplastin; plasma thromboplastin; factor Xa; activated Stuart-Prower factor; activated factor X

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.4.21.6

**CAS No.** 9002-05-5

**Reaction** Selective cleavage of Arg-Thr and then Arg-Ile bonds in prothrombin to form thrombin

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.