

Native Rabbit Thrombin

Cat. No. NATE-0700

Lot. No. (See product label)

Introduction

Description

Thrombin is a serine protease that in humans is encoded by the F2 gene. Prothrombin (coagulation factor II) is proteolytically cleaved to form thrombin in the coagulation cascade, which ultimately results in the reduction of blood loss. Thrombin in turn acts as a serine protease that converts soluble fibrinogen into insoluble strands of fibrin, as well as catalyzing many other coagulation-related reactions.

Synonyms

thrombin; 9002-04-4; EC 3.4.21.5; fibrinogenase; thrombase; thrombofort; topical; thrombin-C; tropostasin; activated blood-coagulation factor II; blood-coagulation factor IIa; factor IIa; E thrombin; β -thrombin; γ -thrombin

Product Information

Species

Rabbit

Source

Rabbit plasma

EC Number

EC 3.4.21.5

CAS No.

9002-04-4

Activity

600-2,000 NIH units/mg protein (biuret) or > 2,000 NIH units/mg protein (E1%/280 = 19.5); > 125 NIH units/mg protein (biuret)

Pathway

Complement and coagulation cascades, organism-specific biosystem (from KEGG)
Complement and coagulation cascades, conserved biosystem (from KEGG)
Neuroactive ligand-receptor interaction, organism-specific biosystem (from KEGG)
Neuroactive ligand-receptor interaction, conserved biosystem (from KEGG)
Regulation of actin cytoskeleton, organism-specific biosystem (from KEGG)
Regulation of actin cytoskeleton, conserved biosystem (from KEGG)