

## 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;  $\beta$ -thrombin;  $\gamma$ -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)