

## Native Human Urokinase

Cat. No. PHAM-263

Lot. No. (See product label)

### Introduction

#### Description

Urokinase is a serine protease (EC 3.4.21.73). Urokinase was originally isolated from human urine, but is present in several physiological locations, such as blood stream and the extracellular matrix. The primary physiological substrate is plasminogen, which is an inactive form (zymogen) of the serine protease plasmin. Activation of plasmin triggers a proteolysis cascade that, depending on the physiological environment, participates in thrombolysis or extracellular matrix degradation. This links urokinase to vascular diseases and cancer.

#### Synonyms

Urokinase; EC 3.4.21.73; urokinase-type plasminogen activator; uPA; U-plasminogen activator; Cellular plasminogen activator; Urinary plasminogen activator

### Product Information

#### Species

Human

#### Source

Human kidney cells

#### Form

lyophilized powder

#### EC Number

EC 3.4.21.73

#### CAS No.

9039-53-6

#### Pathway

ATF-2 transcription factor network, organism-specific biosystem; Blood Clotting Cascade, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem.

#### Function

protein binding; serine-type endopeptidase activity.