

## tissue kallikrein

Cat. No. EXWM-4129

Lot. No. (See product label)

### Introduction

#### Description

Formed from tissue prokallikrein by activation with trypsin. In peptidase family S1 (trypsin family). A large number of tissue kallikrein-related sequences have been reported for rats and mice, though fewer seem to exist in other mammals. The few that have been isolated and tested on substrates include mouse  $\gamma$ -renin (EC 3.4.21.54), submandibular proteinase A, epidermal growth-factor-binding protein, nerve growth factor  $\gamma$ -subunit, rat tonin, submaxillary proteinases A and B, T-kininogenase, kallikreins k7 and k8 and human prostate-specific antigen ( $\gamma$ -seminoprotein,)

#### Synonyms

glandular kallikrein; pancreatic kallikrein; submandibular kallikrein; submaxillary kallikrein; kidney kallikrein; urinary kallikrein; kallikrein; salivary kallikrein; kininogenin; kininogenase; callicrein; glumorin; padreatin; padutin; kallidinogenase; bradykininogenase; depot-padutin; urokallikrein; dilminal D; onokrein P

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.4.21.35

#### CAS No.

389069-73-2

#### Reaction

Preferential cleavage of Arg $\downarrow$  bonds in small molecule substrates. Highly selective action to release kallidin (lysyl-bradykinin) from kininogen involves hydrolysis of Met $\downarrow$  or Leu $\downarrow$ . The rat enzyme is unusual in liberating bradykinin directly from autologous kininogens by cleavage at two Arg $\downarrow$  bonds

#### 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.