Creative Enzymes®

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 γ-renin (EC 3.4.21.54), submandibular proteinase A, epidermal growth-factor-binding protein, nerve growth factor γ-subunit, rat tonin, submaxillary proteinases A and B, T-kininogenase, kallikreins k7 and k8 and human prostate-specific antigen (γ-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┼ bonds in small molecule substrates. Highly selective action to release kallidin (lysyl-bradykinin) from kininogen involves hydrolysis of Met┼ or Leu┼. The rat enzyme is unusual in liberating bradykinin directly from autologous kininogens by cleavage at two Arg┼ 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.