Creative Enzymes®

kallikrein 8

Cat. No. EXWM-4113

Lot. No. (See product label)

Introduction

Description	The enzyme is activated by removal of an N-terminal prepropeptide. The highest amidolytic activity is observed using Boc-Val-Pro-Arg┼7-amido-4-methylcoumarin, which is a substrate of α-thrombin. Substrates lacking basic amino acids in the P1 position are not cleaved. The enzyme degrades casein, fibronectin, gelatin, collagen type IV, fibrinogen, and high-molecular-mass kininogen and is associated with diseases such as ovarian cancer and Alzheimer's disease. Belongs in peptidase family S1A.
Synonyms	KLK8; PRSS19; human kallikrein 8; hK8; mK8; ovasin; tumor-associated differentially expressed gene 14; TADG-14; NP; neuropsin

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.21.118
CAS No.	171715-15-4
Reaction	Cleavage of amide substrates following the basic amino acids Arg or Lys at the P1 position, with a preference for Arg over Lys
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 ℃.