Creative Enzymes®

kallikrein 13

Cat. No. EXWM-4114

Lot. No. (See product label)

Introduction

Description	The enzyme is specific for prorenin from the mouse submandibular gland, as prorenin from the mouse kidney (Ren1) and human prorenin are not substrates. Site-directed mutagenesis studies have shown that the enzyme will also cleave prorenin when Lys-Arg is replaced by Arg-Arg or Gln-Arg but the rate of reaction is much slower when Lys-Lys is used. This enzyme is also able to process pro-interleukin-1β (pro-IL-1β) in mouse submandibular gland to form IL-1β. Belongs in peptidase family S1A.
Synonyms	KLK13; kallikrein mK13; mGK-13; mK13; mKLK13; prorenin converting enzyme 1; PRECE-1; prorenin-converting enzyme; PRECE; proteinase P

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.21.119
CAS No.	342900-44-1
Reaction	Hydrolyses mouse Ren2 protein (a species of prorenin present in the submandibular gland) on the carboxy side of the arginine residue at the Lys-Arg┼ pair in the N-terminus, to yield mature renin
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 ℃.