

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-1 β (pro-IL-1 β) in mouse submandibular gland to form IL-1 β . 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 \downarrow 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.