

## 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 $\beta$  (pro-IL-1 $\beta$ ) in mouse submandibular gland to form IL-1 $\beta$ . 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.