

## 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  $\alpha$ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.