

## Xaa-Xaa-Pro tripeptidyl-peptidase

Cat. No. EXWM-4046

Lot. No. (See product label)

### Introduction

#### Description

This cell-surface-associated serine exopeptidase is found in the Gram-negative, anaerobic bacterium *Porphyromonas gingivalis*, which has been implicated in adult periodontal disease. The enzyme releases the N-terminal tripeptide of peptides, such as interleukin-6. It has an absolute requirement for a proline residue at the P1 position but is completely inactivated by a proline residue at the P1' position. The size of the peptide does not affect the rate of reaction.

#### Synonyms

prolyl tripeptidyl amino peptidase; prolyl tripeptidyl peptidase; prolyl tripeptidyl aminopeptidase; PTP-A; TPP

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.4.14.12

#### Reaction

Hydrolysis of Xaa-Xaa-Pro-Yaa- releasing the N-terminal tripeptide of a peptide with Pro as the third residue (position P1) and where Yaa is not proline

#### 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.