

## C5a peptidase

Cat. No. EXWM-4105

Lot. No. (See product label)

### Introduction

#### Description

This enzyme is a surface-associated subtilisin-like serine peptidase with very specific substrate specificity. Virulent strains of streptococci, including *Streptococcus pyogenes*, can evade human detection and phagocytosis by destroying the complement chemotaxin C5a. Cleavage of human C5a by this enzyme reduces the ability of C5a to bind receptors on the surface of polymorphonuclear neutrophil leukocytes (PMNLs) and thereby abolishes its chemotactic properties. Belongs in peptidase family S8A.

#### Synonyms

streptococcal C5a peptidase; ScpA; ScpB; SCPA

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.4.21.110

#### CAS No.

100179-39-3

#### Reaction

The primary cleavage site is at His67↓Lys68 in human C5a with a minor secondary cleavage site at Ala58↓Ser59

#### 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.