Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.