Creative Enzymes®

Native Staphylococcus aureus Staphopain A

Cat. No. NATE-0666

Lot. No. (See product label)

Introduction

Description	Staphopains A and B are part of the staphylococcal proteolytic cascade (SPC) and may contribute to tissue invasion and metastatic infections of Staphylococcus aureus. Staphopain A, along with Staphopain B, may contribute to septic shock through the release of bradykinin and S-kinin from human kininogens. This activity required proteolytically-active Staphopain A and was augmented by Staphopain B.
Applications	Staphopain A was used for cleaving the N terminus of atypical chemokine receptor (ACKR2) to suppress its ligand internalization activity in a study on the pivotal role of ACKR2 in ligand binding, internalization and scavenging of inflammatory responses.
Synonyms	Staphopain; EC 3.4.22.48; staphylopain; 347841-89-8; ScpA; Staphopain A; Staphylococcal cysteine proteinase A; Staphylopain A

Product Information

Source	Staphylococcus aureus
Form	lyophilized powder
EC Number	EC 3.4.22.48
CAS No.	347841-89-8
Molecular Weight	mol wt ~20 kDa by SDS-PAGE

Storage and Shipping Information

Storage	−20°C