

## 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