

gingipain R

Cat. No. EXWM-4212

Lot. No. (See product label)

Introduction

Description

A secreted endopeptidase from the bacterium *Porphyromonas gingivalis*. Strongly activated by glycine, and stabilized by Ca^{2+} . Precursor molecule contains a hemagglutinin domain. Misleadingly described in some literature as "trypsin-like", being a cysteine peptidase, type example of family C25

Synonyms

Arg-gingipain; gingipain-1; argingipain; Arg-gingivain-55 proteinase; Arg-gingivain-70 proteinase; Arg-gingivain-75 proteinase; arginine-specific cysteine protease; arginine-specific gingipain; arginine-specific gingivain; RGP-1; RGP

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 3.4.22.37

CAS No.

159745-71-8

Reaction

Hydrolysis of proteins and small molecule substrates, with a preference for Arg in P1

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.