

Unique protease 1 from Porphyromonas gingivalis

Cat. No. NATE-1601

Lot. No. (See product label)

Introduction

Description

Digestion of human IgG1 with Unique protease 1 generates a homogenous pool of precise Fab and Fc fragments. There is no over-digestion or further degradation of the fragments typically associated with other proteolytic enzymes. Very mild reducing reaction conditions give intact Fab and Fc fragments. Best activity is obtained at 37°C.

Synonyms

GingisKHAN; unique protease 1

Product Information

Source

Porphyromonas gingivalis

Appearance

White to light yellow powder

Form

Lyophilized preparation together with 5 vials of lyophilized reducing agent for convenient and reliable performance.

Purity

> 80% homogeneity as determined by SDS-PAGE analysis using Coomassie Blue detection.

Optimum pH

8

Unit Definition

One unit cleaves > 95% of 1µg human IgG1 when incubated in 0.1 M Tris, pH 8.0 at 37°C for 1 hour.

Storage and Shipping Information

Storage

Unique protease 1 and Unique protease 1 Reducing Agent are shipped on ice and should be stored at -20°C upon arrival.

Stability

After reconstitution Unique protease 1 is stable for at least 1 month +4-8°C. Reconstituted Unique protease 1 Reducing Agent cannot be stored, use freshly prepared.