

## 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.