

Protease S from Pyrococcus furiosus, Recombinant

Cat. No. NATE-0630

Lot. No. (See product label)

Introduction

Description

Protease S is a serine endoprotease with broad specificity that will digest native and denatured proteins. Cleavage occurs mainly on the carboxy side of peptide bonds. The optimal temperature range is 85 to 95°C and the optimal pH range is 6.0 to 8.0. Protease S is inhibited by PMSF. Thermostable serine protease with broad specificity for native and denatured proteins.

Applications

Protease S is from Pyrococcus furiosus and is a recombinant protease that is expressed in Bacillus sp.. It is used for fragmentation of proteins and peptides required for primary structure analysis.

Synonyms

Protease S; peptidase S; proteinase S

Product Information

Species

Pyrococcus furiosus

Source

Bacillus sp.

Form

Solution in 25 mM Tris-HCl, pH 7.6, containing 40% ethanol.

Unit Definition

One unit will hydrolyze 1 µmol of N-Succinyl-Ala-Ala-Pro-Phe p-nitroanilide per minute at pH 7.0 at 95°C.

Storage and Shipping Information

Storage

2-8°C