

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 μ mol 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