

Proteinase(Bacillus subtilis)

Cat. No. PBSG-0001

Lot. No. (See product label)

Introduction

Description	Proteinase(Bacillus subtilis) is a microbial serine endoprotease that cleaves peptide bonds in protein substrates and supports controlled proteolytic digestion.
Applications	Protein hydrolysis; proteolytic sample digestion; biochemical enzyme studies.
Synonyms	Subtilisin; Alkaline Protease; Subtilopeptidase A; Bacillus subtilis Protease

Product Information

Species	Bacillus subtilis
Source	Bacillus subtilis-derived protease
Form	Powder
EC Number	EC 3.4.21.62
CAS No.	2598-33-7
Molecular Weight	Approx. 27 kDa
Specificity	Broad endoproteolytic specificity toward peptide bonds in proteins, with preference for large uncharged residues at the P1 position.
Function	Catalyzes the hydrolysis of peptide bonds in proteins to produce smaller peptide fragments.
Substrates	Protein substrates; casein
Reaction	Protein + H ₂ O → peptide fragments
Usage	For enzymatic protein hydrolysis and related biochemical research workflows.

Storage and Shipping Information

Storage	Store at -20°C.
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