

Thermitase from *Bacillus cereus*, Recombinant

Cat. No. NATE-0694

Lot. No. (See product label)

Introduction

Description

Thermitase from *Bacillus cereus* is a protease that inactivates RNases, DNases and enzymes in reactions.

Applications

Thermitase is used for the isolation of RNA and DNA (plasmid and genomic). Thermitase has been used in a study to assess the development and application of ¹⁵N-tracer substances for measuring the whole-body protein turnover rates. Thermitase has also been used in a study to investigate a computational procedure for transferring a binding site onto an existing protein scaffold.

Synonyms

Thermitase; thermophilic *Streptomyces* serine proteinase; *Thermoactinomyces vulgaris* serine proteinase

Product Information

Source

Bacillus cereus

Form

Supplied as a solution in 20mM Tris-HCl (pH 7.4), 1mM CaCl₂ and 50% glycerol.

CAS No.

69772-87-8

Molecular Weight

mol wt 33 kDa

Activity

> 5.0 unit/mg protein

Unit Definition

One unit is defined as the amount of enzyme required to solubilize 1 absorbance unit (595nm) of milk in 60 minutes at 37°C in a total reaction volume of 200ul.

Storage and Shipping Information

Storage

-20°C