

## 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 <sup>15</sup>N-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 CaCl<sub>2</sub> 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