

Trehalose-phosphatase from *Thermus thermophilus*, Recombinant

Cat. No. NATE-1233

Lot. No. (See product label)

Introduction

Description

In enzymology, a trehalose-phosphatase (EC 3.1.3.12) is an enzyme that catalyzes the chemical reaction: $\alpha,\alpha\text{-trehalose 6-phosphate} + \text{H}_2\text{O} \leftrightarrow \alpha,\alpha\text{-trehalose} + \text{phosphate}$. Thus, the two substrates of this enzyme are α,α' -trehalose 6-phosphate and H_2O , whereas its two products are α,α' -trehalose and phosphate. This enzyme belongs to the family of hydrolases, specifically those acting on phosphoric monoester bonds.

Synonyms

Trehalose 6-phosphatase; trehalose 6-phosphate phosphatase; trehalose-6-phosphate phosphohydrolase; TPP; T6PP

Product Information

Source

Thermus thermophilus HB8

Form

Supplied in 3.2 M ammonium sulphate

EC Number

EC 3.1.3.12

CAS No.

9025-72-3

Molecular Weight

27788.9 Da

Purity

>95 % as judged by SDS-PAGE

Storage and Shipping Information

Storage

Store at 4°C (shipped at room temperature)