

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-trehalose 6-phosphate + H₂O ↔ alpha,alpha-trehalose + phosphate. Thus, the two substrates of this enzyme are alpha,alpha'-trehalose 6-phosphate and H₂O, whereas its two products are alpha,alpha-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)