Creative Enzymes®

Trehalose-phosphatase from Mycobacterium tuberculosis, Recombinant

Cat. No. NATE-1232

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	Mycobacterium tuberculosis H37Rv
Form	Supplied in 3.2 M ammonium sulphate
EC Number	EC 3.1.3.12
CAS No.	9025-72-3
Molecular Weight	61948.7 Da
Purity	>95 % as judged by SDS-PAGE

Storage and Shipping Information

Storage	Store at 4°C (shipped at room temperature)