Creative Enzymes®

Native Corynebacterium glutamicum Catalase

Cat. No. NATE-0106

Lot. No. (See product label)

Introduction

Description	Catalase activates the decomposition of hydrogen peroxide, a reactive oxygen species, into water and oxygen. It functions as a natural antioxidant, protecting cells against oxidative damage to proteins, lipids and nucleic acids. Catalase has also been used to study the role reactive oxygen species play in gene expression and apoptosis.
Synonyms	EC 1.11.1.6; Catalase; catalase; equilase; caperase; optidase; catalase-peroxidase; CAT; H2O2:H2O2 oxidoreductase; 9001-05-2

Product Information

Source	Corynebacterium glutamicum
Form	solution. contains ~30% glycerol, 10% ethanol
EC Number	EC 1.11.1.6
CAS No.	9001-05-2
Activity	> 500000 U/mL
Unit Definition	1 U corresponds to the amount of enzyme which decomposes 1 μmol H2O2 per minute at pH 7.0 and 25°C

Storage and Shipping Information

Storage	2-8°C