

Native *Micrococcus lysodeikticus* Catalase

Cat. No. NATE-0109

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

Micrococcus lysodeikticus

Form

solution.

EC Number

EC 1.11.1.6

CAS No.

9001-05-2

Molecular Weight

Mr ~230 kDa

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