Creative Enzymes®

Native Candida sp. Alcohol oxidase

Cat. No. DIA-123

Lot. No. (See product label)

Introduction

Description	In enzymology, an alcohol oxidase (EC 1.1.3.13) is an enzyme that catalyzes the chemical reaction a primary alcohol + O2 ↔ an aldehyde + H2O2. Thus, the two substrates of this enzyme are primary alcohol and O2, whereas its two products are aldehyde and H2O2. This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with oxygen as acceptor.
Applications	Useful for enzymatic determination of blood alcohol.
Synonyms	ethanol oxidase; alcohol oxidase; EC 1.1.3.13; Methanol oxidase; 9073-63-6

Product Information

Source	Candida sp.
Form	Light yellow powder
EC Number	EC 1.1.3.13
CAS No.	9073-63-6
Activity	7~20 U/mg
pH Stability	6.0-9.5 (37°C, 60 mins)
Thermal stability	Stable at 40°C and below (pH 7.5, 10 mins)

Storage and Shipping Information

Storage	Store in tightly closed containers, desiccated, protected from light, at-20°C.