Creative Enzymes®

Native Mold sn-Glycerol-3-phosphocholine Phosphodiesterase

Cat. No. NATE-0674

Lot. No. (See product label)

Introduction

Description	In enzymology, a glycerophosphocholine phosphodiesterase (EC 3.1.4.2) is an enzyme that catalyzes the chemical reaction:sn-glycero-3-phosphocholine + H2O↔ choline + sn-glycerol 3-phosphate. Thus, the two substrates of this enzyme are sn-glycero-3-phosphocholine and H2O, whereas its two products are choline and sn-glycerol 3-phosphate. This enzyme belongs to the family of hydrolases, specifically those acting on phosphoric diester bonds.
Synonyms	glycerophosphinicocholine diesterase; glycerylphosphorylcholinediesterase; sn-glycero-3-phosphorylcholine diesterase; glycerolphosphorylcholine phosphodiesterase; glycerophosphohydrolase; EC 3.1.4.2; 9025-85-8

Product Information

Source	Mold
Form	Lyophilized powder containing Tris buffer salt
EC Number	EC 3.1.4.2
CAS No.	9025-85-8
Activity	> 5 units/mg protein
Unit Definition	One unit will produce 1.0 µmole of choline from L-α-glycerophosphorylcholine, per min at pH 8.0 at 37°C.

Storage and Shipping Information

Storage	−20°C