Creative Enzymes®

Native Bacillus stearothermophilus Glycerokinase

Cat. No. NATE-0286

Lot. No. (See product label)

Introduction

Description	Glycerol kinase is a phosphotransferase enzyme involved in triglycerides and glycerophospholipids synthesis. Glycerol kinase catalyzes tge MgATP-dependent phosphorylation of glycerol to produce sn-glycerol-3-phosphate and is the rate limiting enzyme in the utilization of glycerol. It is also subject to feedback regulation by fructose-1,6-bisphosphate.
Synonyms	EC 2.7.1.30; glycerokinase; GK; ATP:glycerol-3-phosphotransferase; glycerol kinase (phosphorylating); glyceric kinase; 9030-66-4

Product Information

Source	Bacillus stearothermophilus
Form	buffered aqueous solution; Stabilized solution in Tris buffer, pH 7.3
EC Number	EC 2.7.1.30
CAS No.	9030-66-4
Activity	> 75 units/mg protein (biuret)
Unit Definition	One unit will convert 1.0 µmole of glycerol and ATP to L-α-glycerophosphate and ADP per min at pH 9.8 at 25°C in a coupled system with PK/LDH.

Storage and Shipping Information

Storage	2-8°C