Creative Enzymes®

Deoxycytidine Kinase from Human, Recombinant

Cat. No. NATE-1741

Lot. No. (See product label)

Introduction

Description	E.coli
Applications	Human deoxycytidine kinase is an active and purified protein of 33kDa cloned by RT-PCR amplification of mRNA extracted from human hepatoma cells and expressed in E.coli.
Synonyms	deoxycytidine kinase (phosphorylating); 2'-deoxycytidine kinase; Ara-C kinase; arabinofuranosylcytosine kinase; deoxycytidine-cytidine kinase; dCK

Product Information

Species	dCK
Source	Human
EC Number	EC 2.7.1.74
CAS No.	9039-45-6
Molecular Weight	33kDa
Activity	≥ 0.025 unit/mg protein
Unit Definition	One unit of deoxycytidine kinase converts 1.0 μmole of deoxyinosine and ATP to dCMP and ADP per minute at pH 7.6 at 37°C, as measured by a coupled PK/LDH enzyme system.

Usage and Packaging

Package	stable lyophilized form

Storage and Shipping Information

Storage	–20 °C in a solution containing 50 mM Tris-HCl, pH 7.6, 1 mM β-mercaptoethanol, 50% glycerol.