Creative Enzymes®

Native Bovine Nucleoside monophosphate kinase

Cat. No. NATE-1722

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of transferases, specifically those transferring phosphorus-containing groups (phosphotransferases) with a phosphate group as acceptor.
Synonyms	ATP : nucleoside-monophosphate phosphotransferase; NMP-kinase; EC 2.7.4.4; 9026-50-0; nucleoside-phosphate kinase;

Product Information

Species	Bovine
Source	Bovine liver
Appearance	White to slightly beige lyophillized powder
Form	Lyophilized powder containing approximately 80% sacharose
EC Number	EC 2.7.4.4
CAS No.	9026-50-0
Activity	Approximately 0.5 units per mg protein.
Solubility	60 mg lyophilisate (approximately 10 mg enzyme protein) dissolved with 1 ml glycerol, 50% (v/v) is stable for about 2 weeks at +4°C.
Unit Definition	One unit will convert 1.0 umole of UMP and ATP to UDP and ADP per minute at pH 7.6 at 25°C, using a coupled enzyme system with PK/LDH.
Notes	INTENDED FOR RESEARCH USE ONLY, NOT FOR USE IN HUMAN, THERAPEUTIC OR DIAGNOSTIC APPLICATIONS.