

## 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 lyophilized 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.