

## Native Chicken Myokinase

Cat. No. NATE-0037

Lot. No. (See product label)

### Introduction

**Description** Adenylate kinase (EC 2.7.4.3) (also known as ADK or myokinase) is a phosphotransferase enzyme that catalyzes the interconversion of adenine nucleotides, and plays an important role in cellular energy homeostasis.

**Applications** Myokinase from chicken muscle has been used in a study to assess the release of enzymes via acute myositis and neurogenic atrophy in muscles. It has also been used in a study to investigate the development of sarcoplasmic reticulum membranes in chicken pectoralis muscle cells.

**Synonyms** Adenylate kinase; EC 2.7.4.3; ADK; myokinase; 9013-02-9; Adenylic kinase; Adenylokinase

### Product Information

**Species** Chicken

**Source** Chicken muscle

**Form** essentially salt-free, lyophilized powder

**EC Number** EC 2.7.4.3

**CAS No.** 9013-02-9

**Activity** 1,500-3,000 units/mg protein (biuret)

**Unit Definition** One unit will convert 2.0  $\mu$ moles of ADP to ATP+AMP per min at pH 7.6 at 37°C.

### Storage and Shipping Information

**Storage** -20°C