

## UMP kinase

Cat. No. EXWM-3204

Lot. No. (See product label)

### Introduction

**Description** This enzyme is strictly specific for UMP as substrate and is used by prokaryotes in the de novo synthesis of pyrimidines, in contrast to eukaryotes, which use the dual-specificity enzyme UMP/CMP kinase (EC 2.7.4.14) for the same purpose. This enzyme is the subject of feedback regulation, being inhibited by UTP and activated by GTP.

**Synonyms** uridylate kinase; UMPK; uridine monophosphate kinase; PyrH; UMP-kinase; SmbA

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.7.4.22

**CAS No.** 9036-23-1

**Reaction**  $\text{ATP} + \text{UMP} = \text{ADP} + \text{UDP}$

**Notes** This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

**Storage** Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.