

## thiamine-phosphate kinase

Cat. No. EXWM-3197

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. The systematic name of this enzyme class is ATP:thiamine-phosphate phosphotransferase. Other names in common use include thiamin-monophosphate kinase, thiamin monophosphatase, and thiamin monophosphokinase. This enzyme participates in thiamine metabolism.

**Synonyms** thiamin-monophosphate kinase; thiamin monophosphatase; thiamin monophosphokinase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 2.7.4.16

**CAS No.** 9068-23-9

**Reaction**  $\text{ATP} + \text{thiamine phosphate} = \text{ADP} + \text{thiamine diphosphate}$

**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.