Creative Enzymes®

# thiamine diphosphokinase

*Cat. No. EXWM-3221*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | This enzyme belongs to the family of transferases, specifically those transferring two phosphorus-containing groups (diphosphotransferases). The systematic name of this enzyme class is ATP:thiamine diphosphotransferase. Other names in common use include thiamin kinase, thiamine pyrophosphokinase, ATP:thiamin pyrophosphotransferase, thiamin pyrophosphokinase, thiamin pyrophosphotransferase, thiaminokinase, thiamin:ATP pyrophosphotransferase, and TPTase. This enzyme participates in thiamine metabolism. |
| ***Synonyms*** | thiamin kinase; thiamine pyrophosphokinase; ATP:thiamin pyrophosphotransferase; thiamin pyrophosphokinase; thiamin pyrophosphotransferase; thiaminokinase; thiamin:ATP pyrophosphotransferase; TPTase |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 2.7.6.2 |
| ***CAS No.*** | 9026-24-8 |
| ***Reaction*** | ATP + thiamine = AMP + 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

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