

## ribose 1,5-bisphosphate phosphokinase

Cat. No. EXWM-3205

Lot. No. (See product label)

### Introduction

#### Description

This enzyme, found in NAD suppression mutants of Escherichia coli, synthesizes 5-phospho- $\alpha$ -D-ribose 1-diphosphate (PRPP) without the participation of EC 2.7.6.1, ribose-phosphate diphosphokinase. Ribose, ribose 1-phosphate and ribose 5-phosphate are not substrates, and GTP cannot act as a phosphate donor.

#### Synonyms

ribose 1,5-bisphosphokinase; PhnN; ATP:ribose-1,5-bisphosphate phosphotransferase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.7.4.23

#### Reaction

ATP +  $\alpha$ -D-ribose 1,5-bisphosphate = ADP + 5-phospho- $\alpha$ -D-ribose 1-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.