

## hygromycin B 4-O-kinase

Cat. No. EXWM-2993

Lot. No. (See product label)

### Introduction

#### Description

Phosphorylates the antibiotic hygromycin B. Whereas the enzyme from *Streptomyces hygrosopicus* (EC 2.7.1.119; hygromycin-B 7''-O-kinase) catalyses the formation of 7''-O-phosphohygromycin B, this enzyme, found in *Escherichia coli* carrying a plasmid conferring resistance to hygromycin-B, forms 4-O-phosphohygromycin B.

#### Synonyms

hygromycin-B kinase (ambiguous)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.7.1.163

#### Reaction

ATP + hygromycin B = ADP + 4-O-phosphohygromycin B

#### 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.