

## rRNA small subunit pseudouridine methyltransferase Nep1

Cat. No. EXWM-1865

Lot. No. (See product label)

### Introduction

#### Description

This enzyme, which occurs in both prokaryotes and eukaryotes, recognizes specific pseudouridine residues ( $\psi$ ) in small subunits of ribosomal RNA based on the local RNA structure. It recognizes  $\psi$ 914 in 16S rRNA from the archaeon *Methanocaldococcus jannaschii*,  $\psi$ 1191 in yeast 18S rRNA, and  $\psi$ 1248 in human 18S rRNA.

#### Synonyms

Nep1; nucleolar essential protein 1

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 2.1.1.260

#### Reaction

S-adenosyl-L-methionine + pseudouridine1191 in yeast 18S rRNA = S-adenosyl-L-homocysteine + N1-methylpseudouridine1191 in yeast 18S rRNA

#### 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.