

## pseudouridylylate synthase

Cat. No. EXWM-5056

Lot. No. (See product label)

### Introduction

**Description** The reaction is readily reversible. While the enzymes from *Tetrahymena pyriformis* and *Agrobacterium tumefaciens* produce pseudouridine 5'-phosphate, the enzyme from *Escherichia coli* functions as a pseudouridine-5'-phosphate glycosidase in vivo.

**Synonyms** pseudouridylic acid synthetase; pseudouridine monophosphate synthetase; 5-ribosyluracil 5-phosphate synthetase; pseudouridylylate synthetase; epsilonUMP synthetase; uracil hydro-lyase (adding D-ribose 5-phosphate); YeiN; pseudouridine-5'-phosphate glycosidase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.1.70

**CAS No.** 9023-35-2

**Reaction** uracil + D-ribose 5-phosphate = pseudouridine 5'-phosphate + H<sub>2</sub>O

**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.