

## Pyrimidine nucleoside phosphorylase, Recombinant

Cat. No. NATE-0646

Lot. No. (See product label)

### Introduction

**Description** Pyrimidine nucleoside phosphorylase (PyNPase) is a glycosyltransferase that catalyzes the conversion of pyrimidine nucleoside and phosphate to a pyrimidine base and  $\alpha$ -D-ribose 1-phosphate. PyNPase plays a significant role in breast cancer angiogenesis.

**Applications** Pyrimidine nucleoside phosphorylase (PyNPase) may be used as a marker to predict the malignant potential of breast cancer, especially lymph node metastasis. PyNPase is used to study breast cancer, specifically its role in angiogenesis.

**Synonyms** Pyrimidine nucleoside phosphorylase; EC 2.4.2.2; Py-NPase; 9055-35-0; pdp (gene name); PyNPase

### Product Information

**Source** E. coli

**EC Number** EC 2.4.2.2

**CAS No.** 9055-35-0

**Activity** > 1300 U/mL

**Unit Definition** One unit will convert 1  $\mu$ mole each of thymidine and phosphate to thymine and 2-deoxyribose 1-phosphate per minute at pH 7.4 and 25°C

### Storage and Shipping Information

**Storage** -20°C