Creative Enzymes®

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 α-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 μmole 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