Creative Enzymes®

Purine nucleoside phosphorylase, Recombinant

Cat. No. NATE-0644

Lot. No. (See product label)

Introduction

Description	Purine nucleoside phosphorylase is an enzyme involved in purine metabolism. PNP metabolizes adenosine into adenine, inosine into hypoxanthine, and guanosine into guanine. Mutations in the PNP gene are responsible for purine nucleoside phosphorylase deficiency.
Applications	Purine nucleoside phosphorylase is used to study nucleotide salvage pathways and purine metabolism. It is used to study purine nucleoside phosphorylase deficiency and responsible PNP genetic mutations. This product is recombinant and expressed in E. coli.
Synonyms	purine-nucleoside phosphorylase; inosine phosphorylase; PNPase; PUNPI; PUNPII; inosine-guanosine phosphorylase; nucleotide phosphatase; purine deoxynucleoside phosphorylase; purine deoxyribonucleoside phosphorylase; purine nucleoside phosphorylase; purine ribonucleoside phosphorylase; EC 2.4.2.1; 9030-21-1

Product Information

Source	E. coli
Form	buffered aqueous solution (100 mM phosphate buffer with 1 mM MgCl2
EC Number	EC 2.4.2.1
CAS No.	9030-21-1
Activity	> 120 U/mL
Unit Definition	1 U will cause the phosphorolysis of 1 μmol of inosine to hypoxanthine and ribose 1-phosphate per minute at pH 7.4 at 25°C.

Storage and Shipping Information

Storage	−20°C