

Recombinant mutant (Met62Val) purine nucleoside phosphorylase from *E. coli*

Cat. No. NATE-1000

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 These enzymes are widely used for the synthesis of modified nucleotides (virasol, cladribine, fludarabine) which are efficient antiviral and antitumor drugs.

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

Species	E. coli
Source	E. coli
Appearance	Colourless clear liquid
EC Number	EC 2.4.2.1
CAS No.	9030-21-1
Molecular Weight	156 kDa
Purity	> 95 %
Activity	27 U/mg

Storage and Shipping Information

Storage Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.