

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.