

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.