



Archaeal Thermostable Purine Nucleoside Phosphorylase, 80°C

Cat. No. CEGZ-6392

Lot. No. (See product label)

Introduction

Description

A recombinant purine nucleoside phosphorylase of archaeal origin with a molecular mass of 26.7 kDa and thermal stability up to 80°C.

Applications

For research and in vitro use in reversible purine nucleoside phosphorolysis where high-temperature stability is advantageous.

Synonyms

PNP; PNPase; Pu-NPase; PUNP; NP; adenosine phosphorylase; inosine-guanosine phosphorylase; purine-nucleoside:phosphate ribosyltransferase

Product Information

Species

Archaeal

Source

Recombinant E. coli

Form

Liquid

EC Number

EC 2.4.2.1

CAS No.

9030-21-1

Molecular Weight

26.7 kDa

Thermal stability

Thermostable up to 80°C

Specificity

Purine ribonucleosides and purine 2-deoxyribonucleosides

Substrates

Purine ribonucleoside or purine 2-deoxyribonucleoside; phosphate

Reaction

Purine ribonucleoside + phosphate = purine + alpha-D-ribose 1-phosphate
Purine 2-deoxyribonucleoside + phosphate = purine + 2-deoxy-alpha-D-ribose 1-phosphate

Notes

Recombinant protein produced in E. coli and purified by heat treatment and His6-tag affinity chromatography.

Usage

Research and in vitro use only.

Storage and Shipping Information

Storage

4°C