

Purine-Nucleoside Phosphorylase from Microorganism

Product Code: 173666

EC no: 2.4.2.1

SKU: 173666

Category: [Enzymes](#)

PRODUCT DESCRIPTION

SPECIFICATIONS:

EC 2.4.2.1

Product name: Purine-nucleoside: orthophosphate ribosyltransferase

Appearance: White amorphous powder lyophilized

Activity: Grade III, 15 U/mg-solid or more

Contaminants:

- Catalase: < 20%, 5'-Nucleosidase $\leq 1.0 \times 10^{-3}$ %,
- Adenosine deaminase $\leq 1.0 \times 10^{-3}$ %, ATPase $\leq 1.0 \times 10^{-2}$ %

Stabilizers: K-Gluconate, mannitol, EDTA

Stability: Stable at - 20 °C for at least 12 months

Molecular weight: Approx. 120,000

Isoelectric point 4.1 ± 0.1

Michaelis constants: 6.4×10^{-5} M (Inosine), 3.2×10^{-4} M (Pi)

Inhibitors: Chloromercuribenzoate, SDS, Hg^{2+} , Ag^{+}

Optimum pH: 7.5 - 8.0

Optimum temperature: 65 °C

pH Stability: pH 6.0–9.0 (30°C, 16hr)

Thermal stability: Below 60 °C (pH 7.7, 30min)