

## **Purine-Nucleoside Phosphorylase from Microorganism**

**Product Code:** 173666

**EC no:** 2.4.2.1

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**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**  $4.1 \pm 0.1$

**Michaelis constants:**  $6.4 \times 10^{-5}$  M (Inosine),  $3.2 \times 10^{-4}$  M (Pi)

**Inhibitors:** Chloromercuribenzoate, SDS,  $\text{Hg}^{2+}$ ,  $\text{Ag}^{+}$

**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)