

## **Alkaline Phosphatase from Microorganism**

**Product Code:** 171553

**EC no:** 3.1.3.1

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**SKU:** 171553

**Category:** [Enzymes](#)

## **PRODUCT DESCRIPTION**

### **SPECIFICATIONS:**

#### **EC 1.7.3.3**

**Product name:** Orthophosphoric monoester phosphohydrolase (alkaline optimum)

**Appearance:** Transparent liquid

**Activity:** Grade II, 30,000 U/ml or more

#### **Contaminants:**

- Adenosine deaminase  $\leq 1.0 \times 10^{-4}\%$ ,
- Phosphodiesterase  $\leq 3.0 \times 10^{-3}\%$

**Stability:** Stable at 2 - 8 °C for at least 12 months

**Molecular weight:** Approx. 104,000

**Optimum pH:** 9.5

**Optimum temperature:** > 60°C

**pH Stability:** pH 5.5–10.4 (25°C, 16hr)

**Thermal stability:** Below 65 °C (pH 7.0, 60min)