

## Alkaline Proteinase (AKP) Activity Assay Kit

### Product Information

#### Product Overview

**Significance:** AKP catalyzes peptide, ester, and amide bond hydrolysis under alkaline conditions and is widely used in pharmaceuticals, silk, food, and leather industries.

**Principle:** AKP hydrolyzes casein to tyrosine. Tyrosine reduces phosphomolybdate to form blue complex, measured at 680 nm. The absorbance increase rate indicates AKP activity.

#### Size

100t/48s

#### Storage

Store at 2–8 °C. Shelf life: 6 months.

**Detection method** Spectrophotometer/Microplate Reader

#### Materials Required but Not Supplied

Visible spectrophotometer or microplate reader, micro cuvettes or 96-well plates, water bath, magnetic stirrer, adjustable micropipettes, 0.5 mL microtubes, distilled water.