

Alkaline phosphatase, Enzyme Activity

Catalog	Unit
TBP0048-1KU	1000 U
TBP0048-5KU	5000 U

Preparation and Specification

Appearance: Transparent liquid

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

Contaminants: Adenosine deaminase $\leq 1.0 \times 10^{-4}$ %

Phosphodiesterase $\leq 3.0 \times 10^{-3}$ %

Properties

Stability: Store at 4°C

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)

Orthophosphoric-monoester phosphohydrolase (alkaline optimum) (EC 3.1.3.1)

Orthophosphoric monoester+H₂O→Alcohol+Orthophosphate

Applications

This enzyme is useful for molecular biology.

For research use only