

Datasheet for ABIN3188197

Inorganic Pyrophosphatase, Thermostable

Overview

Quantity: 100 µL

Product Details

Characteristics: Inorganic pyrophosphatase, Thermostable catalyzes the hydrolysis reaction of inorganic pyrophosphate to orthophosphate. $P_{2O_7}^{4-} + H_2O \rightarrow 2HPO_4^{2-}$.
Source: The source of this protein is a recombinant E. coli strain encoding pyrophosphatase from *Thermococcus litoralis*.

Unit Definition: One unit is defined as the amount of enzyme needed to generate 1 µmol of phosphate in 1 minute from inorganic pyrophosphate under standard reaction conditions (a 10 minute reaction at 75°C in 50 mM Tricine [pH 8.5], 1 mM MgCl₂, 0.32 mM PPI, reaction volume of 0.5 ml).

Application Details

Restrictions: For Research Use only

Handling

Concentration: 2 U/µL

Buffer: 20 mM Tris-HCl, 100 mM KCl, 1 mM DTT, 0.1 mM EDTA, 50 % Glycerol, pH 8.0 at 25 °C.

Storage: -20 °C

Publications

Product cited in: Johnson, Drugan, Miller, Evans: "38" in: , Vol. 1363, Issue Nucleic acids research, pp. 28-39, (1991)