



For research use only

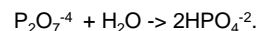
ISO9001

## Thermostable Pyrophosphatase

Product	Quantity	Cat. No.	Remarks
Thermostable Pyrophosphatase	50 µg	EBT-3039	0.5 µg/µl

### Description

A *E. coli* strain carrying a plasmid encoding pyrophosphatase from the extreme thermophile *Thermococcus litoralis*. Inorganic pyrophosphatase (PPase) catalyzes the hydrolysis of inorganic pyrophosphate to form orthophosphate.



### Concentration & Storage Condition

0.5 µg/µl. Store at -20°C.

### Storage Buffer

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

### Unit Definition

One unit is the amount of enzyme that will generate 1 µmol of phosphate per min from inorganic pyrophosphate under standard reaction conditions (a 10 min reaction at 75°C in 50 mM Tricine, pH 8.5, 1 mM MgCl<sub>2</sub>, 0.32 mM PPi, reaction volume of 0.5 ml).

### QC Tests

Activity, SDS-PAGE purity, performance tests



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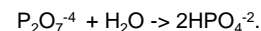
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