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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

Inorganic Pyrophosphatase (Yeast)

Catalog Number: P9370

Regulatory Status: For research use only (RUO)

Product Description: Inorganic Pyrophosphatase (Yeast) is derived from a recombinant *E.Coli* strain carrying *Saccharomyces cerevisiae* ppa gene. The enzyme catalyzes the hydrolysis of inorganic pyrophosphate to form orthophosphate. $P_2O_7^{-4} + H_2O + PPase \rightarrow 2HPO_4^{-2}$ Inorganic Pyrophosphatase (yeast) could hydrolyze the inorganic pyrophosphate generated by nucleic acid amplification, in vitro transcription and other reactions, removing the inhibition of the inorganic pyrophosphate generated on the reaction system. The removal of pyrophosphate can shift the reaction equilibrium to the end of product formation, which is beneficial to increase the yield of synthetic product. RNA and DNA synthesis are examples of reactions that can be pulled far in the synthesis direction by the action of inorganic pyrophosphatase.

Theoretical MW (kDa): 71

Protocols: See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Concentration: 0.1 U/?L

Recommend Usage: In Vitro Transcription
The optimal working dilution should be determined by the end user.

Storage Buffer: 20 mM Tris-HCl (pH 8.0), 100 mM KCl, 0.1 mM EDTA, 1 mM dithiothreitol, 50% glycerol

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.