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Produktinformation



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

Alkaline Phosphatase

Catalog Number: P9384

Regulation Status: For research use only (RUO)

Product Description: Alkaline Phosphatase is derived from a recombinant *E.coli* strain that carries the TAB5 gene. The enzyme catalyzes the dephosphorylation of 5' and 3' ends of DNA and RNA phosphomonoesters. Also, it hydrolyses ribose, as well as deoxyribonucleoside triphosphates (NTPs and dNTPs). TAB5 Alkaline Phosphatase acts on 5' protruding, 5' recessed and blunt ends. The Phosphatase can be used in many molecular biology applications, such as cloning or probe end labeling to remove the phosphorylated ends of DNA or RNA. In cloning experiments, dephosphorylation prevents the linearized plasmid DNA from self-ligation. It can also degrade unincorporated dNTPs in PCR reactions to prepare a template for DNA sequencing. The enzyme is completely and irreversibly inactivated by heating at 70°C for 5 minutes, thereby making removal of the phosphatase prior to ligation or end labeling unnecessary.

Theoretical MW (kDa): 35

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

Form: Liquid

Concentration: 5 U/?L

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

Storage Buffer: 10 mM Tris-HCl (pH 7.4), 1 mM MgCl₂, 0.01 mM ZnCl₂, 50% glycerol.

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