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Taq DNA Polymerase recombinant protein

DNA polymerease
Catalog # PBV11419r

Specification

Taq DNA Polymerase recombinant protein - Product info

Concentration	**2.5 U/ µl**
Calculated MW	**94.0 kDa KDa**

Taq DNA Polymerase recombinant protein - Additional Info

Other Names
DNA polymerase I, thermostable, DNA polymerase I, thermostable (EC 2.7.7.7) (Taq polymerase 1) polA pol1

Source	**E. coli**
Assay&Purity	**SDS-PAGE;**
Assay2&Purity2	**HPLC;**
Recombinant	**Yes**

Format
Liquid

Storage
-20°C; 20 mM Tris-HCl, pH 8.0, 100 mM KCl, 0.1 mM EDTA, 1 mM DTT, 50% glycerol, 0.5% Tween 20, and 0.5% Nonidet P40.

Taq DNA Polymerase recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Taq DNA Polymerase recombinant protein - Images

Taq DNA Polymerase recombinant protein - Background

Taq DNA Polymerase is a thermostable enzyme that replicates DNA and exhibits a half-life of 40 minutes at 95°C. Taq catalyzes the polymerization of nucleotides into duplex DNA in the 5’ –3’ direction in the presence of magnesium. The enzyme has an apparent molecular weight of 94,000 daltons by SDS-PAGE and exhibits 5’– 3’exonuclease activity. Taq is recommended for use in PCR and primer extension reactions at elevated temperature. The 10X Reaction Buffer provided has been optimized for amplification of both short and long PCR products.