

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 Cytometry](#)
- [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.