

Taq DNA Polymerase Recombinant

Item Number	rAP-1062
Synonyms	DNA polymerase I thermostable, EC 2.7.7.7, Taq polymerase 1.
Description	Taq DNA Polymerase(a) is a thermostable enzyme of approximately 95 kDa isolated from <i>Thermus aquaticus</i> . This unmodified enzyme replicates DNA at 74°C and exhibits a half-life of 40 minutes at 95°C. The enzyme catalyzes the polymerization of nucleotides into duplex DNA in the 5'~3' direction in the presence
Uniprot Accession Number	P19821
Amino Acid Sequence	
Source	Recombinant e.coli contains <i>Thermus aquaticus</i> polymerase gene.
Physical Appearance and Stability	Stable for 5 days at 10°C, for longer period of time store at -20°C.
Formulation and Purity	Taq DNA Polymerase solution in 20mM Tris-HCl, pH 8.0, 100mM KCl, 0.1mM EDTA, 1mM DTT, 50% Glycerol, 0.5% NP40, 0.5% Tween 20. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**