

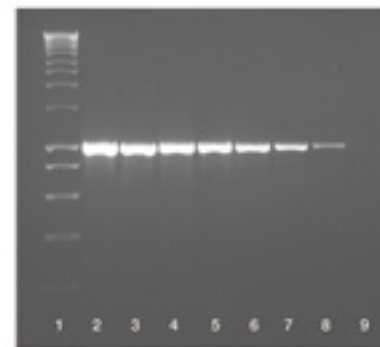
High Activity Taq Polymerase

- Cost Effective Taq
- Robust PCR Performance Suited to a Wide Range of PCR Assays
- Leaves "A" Overhang
- Amplifies Fragments Up To 5KB
- Consistent Results

High Activity Taq Polymerase is a thermostable DNA polymerase which can withstand prolonged incubations at high temperatures without significant decrease in enzyme activity. Taq is purified from *Thermus aquaticus* and is used in a wide range of molecular biology protocols. PHENIX High Activity Taq can amplify fragments of up to 5Kb in length, from genomic DNA.

Like other polymerase, Taq catalyzes the template-dependent polymerisation of nucleotides into duplex DNA in the 5'-3' direction. PHENIX High Activity Taq lacks 3'-5' exonuclease (proofreading) activity and possesses a low 5'-3' exonuclease activity. Taq reaction products contain 3' adenosine overhangs which are suitable for TA cloning.

PHENIX High Activity Taq Polymerase is compatible with a wide range of PCR Assays.



High Performance with Taq

A serial dilution of template was performed to demonstrate the high performance of Taq, even at low DNA concentrations.

Lane 1: Hyperladder I

Lane 2: 0.5ng λ DNA

Lane 3-9: 10-fold dilution series

Ordering Information

Cat No	Description	Unit	Price
DNP-100	High Activity Taq for routine PCR assays	500u	\$70.00
DNP-200	High Activity Taq for routine PCR assays	2500u	315.00

Other High Activity Taq Products

DNP-105	2x Taq Mastermix (includes dNTP's & buffers)	100 Rxns	\$45.00
DNP-205	2x Taq Mastermix (includes dNTP's & buffers)	500 Rxns	215.00

Both product groups available with Red Loading Dye.



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