

Product Datasheet

Hot Start Polymerase Ab+ (orb1821429)

Catalog Number	orb1821429
Category	Tools
Description	<p>Hot Start Polymerase Ab+ provides improved specificity and sensitivity when amplifying low-copy-number targets in complex backgrounds or when prolonged room-temperature set up is required. The polymerase activity is blocked at ambient temperature and switched on automatically at the initial denaturation. The thermal activation prevents the extension of non-specifically annealed primers and primer-dimer formation at low temperatures during PCR setup. The polymerase is recommended for diagnostic applications, high throughput PCR or genotyping. The enzyme replicates DNA at 72 °C. It catalyzes the polymerization of nucleotides into duplex DNA in 5'→3' direction in the presence of magnesium. It also possesses a 5'→3' polymerization-dependent exonuclease replacement activity but lacks a 3'→5' exonuclease (proof-reading) activity.</p>
Form/Appearance	liquid
Concentration	5 units/μl
Storage	store at -20 °C. avoid freeze/thaw cycles
Note	For research use only

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