



Product Datasheet Pfu-X Polymerase (orb1733709)

Catalog Number orb1733709

Category Tools

Description Pfu-X Polymerase is the ideal choice for applications where the efficient

amplification of DNA with highest fidelity is required. The enzyme is a genetically engineered Pfu DNA polymerase, but showing a 2-fold higher accuracy and an increased processivity, resulting in shorter elongation times. The enzyme catalyzes the polymerization of nucleotides into duplex DNA in 5'→3' direction but does not possess a 5'→3' exonuclease replacement activity. Its inherent 3'→5' exonuclease proofreading activity results in a greatly increased fidelity of DNA synthesis compared to Taq polymerase. Pfu-X Polymerase-generated PCR fragments are blunt-ended. The enzyme is highly purified and free of bacterial

DNA.

Form/Appearance liquid

Concentration 2.5 units/μl

Storage store at -20 °C. avoid freeze/thaw cycles

Note For research use only

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