

Description:

Pfu/Psp DNA polymerase 2X-preMix is isolated from the archae bacteria *Pyrococcus f*-species, a thermostable Polymerase of approximately 90000 daltons. Base misinsertions that may occur during polymerization are rapidly excised by the proofreading activity of the polymerase. The Pfu/Psp DNA Polymerase has **no detectable reverse transcriptase activity**.

Features:

Pfu/Psp DNA polymerase replicates DNA at 75°C catalyzing the polymerization of nucleotides into duplex DNA in the 5'→3' direction in the presence of Mg⁺. Pfu DNA polymerase possesses 3' to 5' exonuclease proof reading activity that enables the polymerase to correct nucleotide-misincorporation errors. To reduce the risk of contamination, pipetting errors and to increase the repeatability of results the 2X-preMix contains an optimized mixture of enzyme, dNTP's and reaction buffer. Just add your template DNA and primers.

Order Information

Prod. No.	Description	Quantity
S9127	Pfu DNA Polymerase Pre-mix	1x 250 Units
S9119	Pfu DNA Polymerase Pre-mix	2x 250 Units
S9120	Pfu DNA Polymerase Pre-mix	10x 250 Units
S9121	Pfu DNA Polymerase Pre-mix	100 rcs
S9122	Pfu DNA Polymerase Pre-mix	5x 100 rcs