Bst II DNA Polymerase (Large Fragment)

Bst II DNA Polymerase (Large Fragment) is a modified form of Bst DNA polymerase obtained by truncating the 5-3' exonuclease domain. Through directed evolution and recombinant expression in Escherichia coli, this enzyme has been engineered. It possesses robust 5'-3' DNA polymerase activity and strand displacement activity. The optimal reaction temperature for this enzyme is 65°C, and it is suitable for various isothermal amplification reactions.

Compared to the wild-type enzyme, Bst II DNA Polymerase (Large Fragment) exhibits faster amplification rates, enhanced tolerance to dUTP and salt, as well as improved stability.

Component supplied: **1. Bst II DNA Polymerase (Large Fragment): 200uL / 1mL**

2. Bst II Reaction Buffer [10x]: 1mL / 3 x 1mL

3. MgSO? [100 mM]: 1mL / 3 x 1mL

Catalog No.	518101
Size	1600 units / 8000 units
Product Category	Isothermal Amplification
Concentration	8U/uL
Storage/Stability	-20°C / 2 years
Shipping	Gel Packs