

Bst DNA Polymerase Protein, Geobacillus stearothermophilus (His)

Cat. No.:	HY-P78942
Synonyms:	
Species:	Others
Source:	E. coli
Accession:	E1C9K5 (297-880)
Gene ID:	/
Molecular Weight:	Approximately 66.4 kDa

PROPERTIES

AA Sequence

DQSLFAIADS	VTDEMLADKA	ALVVEVVGDN	YHHAPIVGLA
LANERGRFFL	RPETALADPK	FLAWLGDETK	KKTMFDSKRA
AVALKWKGIE	LRGVVFDLLL	AAYLLDPAQA	AGDVAAVAKM
HQYEAVRSDE	AVYGKGAKRT	VPDEPTLAEH	LVRKAAA IWA
LEEPLMDELR	RNEQDRLLTE	LEQPLAGILA	NMEFTGVKVD
TKRLEQMGAE	LTEQLQAVER	RIYELAGQEF	NINSPKQLGT
VLFDKQLQPV	LKKTKTGYST	SADVLEKLAP	HHEIVEHILH
YRQLGKQLQST	YIEGLLKVVH	PVTGKVHTMF	NQALTQTGRL
SSVEPNLQNI	PIRLEEGRKI	RQAFVPSEPD	WLI FAADYSQ
IELRVLAHIA	EDDNLIEAFR	RGLDIHTKTA	MDIFHVSEED
VTANMRRQAK	AVNFGIVYGI	SDYGLAQNLN	ITRKEAAEFI
ERYFASFPGV	KQYMDNIVQE	AKQKGYVTTL	LHRRRYLPDI
TSRNFNVRSF	AERTAMNTPI	QGSAADI I KK	AMIDLSVRLR
EERLQARLLL	QVHDELILEA	PKEEIERLCR	LVPEVMEQAV
TLRVPLKVDY	HYGPTWYDAK		

Biological Activity The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance Solution.

Reconstitution N/A.

Storage & Stability Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping Shipping with dry ice.

DESCRIPTION

Background

In addition to its polymerase activity, the Bst DNA Polymerase protein demonstrates 5'-3' exonuclease activity. This dual functionality highlights the enzyme's versatility in nucleic acid processing, as it not only synthesizes DNA strands but also possesses the capability to remove nucleotides from the 5' to 3' direction. The combined actions of polymerase and exonuclease activities make Bst DNA Polymerase a crucial tool in various molecular biology applications, contributing to efficient DNA amplification and modification processes.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA