

Bsu DNA Polymerase Large Fragment Recombinant Protein | Bsu recombinant protein

Bsu DNA Polymerase Large Fragment

CATALOG #
AAA73285

HOST
E Coli

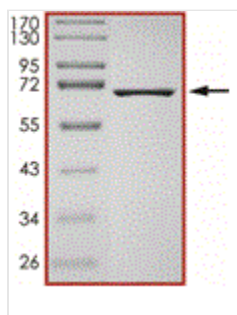
PRODUCT SYNONYMS

Bsu DNA Polymerase Large Fragment; polA; DNA polymerase I; Bsu recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>90%
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.5, 300mM NaCl, 20% glycerol, 1mM DTT.
Tag	Tag-free
Species	Bacillus subtilis
Activity	5 U/ml
Unit Definition	One unit is defined as the amount of enzyme that will incorporate 10 nmol of dNTP into acid insoluble material in 30 minutes at 37 degree C.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.<

IMAGES



SDS-PAGE

SDS-PAGE gel image The purity of Bsu DNA polymerase large fragment was determined to be >90% by densitometry. Approx. MW 68 kDa

ADDITIONAL INFORMATION

Related Product Information for Bsu recombinant protein	Recombinant tag-free Bsu DNA polymerase large fragment from Bacillus subtilis was expressed in E Coli cells. The gene accession number is AF008220. The protein accession number is AAC00350.1. DNA polymerase (DNAP) is an enzyme that catalyzes the DNA molecules and is crucial for DNA replication. Bsu DNA polymerase large fragment is a product of the Bacillus subtilis DNA polymerase I that retains the 5´--> 3´ polymerase activity of DNA polymerase I but lacks the 5´--> 3´ and 3´--> 5´ exonuclease activity (1). Bsu DNA polymerase has a wide range of applications such as primer labelling, second-strand cDNA synthesis, DNA strand displacement synthesis, recombinase polymerase amplification, and single dA tailing (2).
Product Categories/Family for Bsu recombinant protein	Isothermal Amplification-related Proteins
References	1. Okazaki, T. et al. J. Biol.Chem. 1964, 239: 259-268. 2. Piepenburg, O. et al. PLOSbiology. 2006, 4: 1115-1121.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/bsu-dna-polymerase-large-fragment-recombinant-protein-e-coli/73285>