

Recombinant T4 Gene 32 Protein

Cat. No. 32 Protein-51B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified from a strain of E. coli that overexpresses the gene 32 protein from bacteriophage T4.
Species	Bacteriophage T4
Source	E.coli
Description	T4 Gene 32 Protein is a single-stranded DNA binding protein which is required for T4 DNA replication, recombination and repair. The protein has exhibited an ability to enhance the performance of several DNA synthesis-related activities, including DNA sequencing in secondary-structure rich regions and PCR amplification. T4 Gene 32 also greatly stimulates the rate of synthesis of T4 DNA Polymerase on primed-single-stranded substrates (5-10 fold increase in synthesis rate).
Molecular Mass	33,506 Daltons
Purity	>95% by SDS-PAGE
Storage	-25 to -15°C
Concentration	10 mg/mL
Storage Buffer	Supplied in: 20 mM Tris-HCl, 100mM NaCl, 0.5mM DTT, 1mM EDTA, 50% glycerol pH 8.0 @ 25°C.

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GENE INFORMATION

Gene Name	32?DNA replication, recombination and repair protein, helix-destabilizing [?Enterobacteria phage T4?]
Official Symbol	32
Synonyms	32; DNA replication, recombination and repair protein, helix-destabilizing; T4p243; single-stranded DNA binding protein; NP_049854.1; gp32; binds single-stranded DNA and destabilizes double-stranded DNA; involved in DNA replication, repair, and recombination; interacts with several replication proteins; stimulates replisome processivity and accuracy
Gene ID	1258602
Protein Refseq	NP_049854
UniProt ID	P03695

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