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SSBP

Product Number: SS01

Shipping and Storage

Store at -20°C for 24 months, transporting on blue ice.

Description

SSBP is a single-stranded DNA (ssDNA) binding protein required for bacteriophage T4 replication and repair . It cooperatively binds to and stabilizes transiently formed regions of ssDNA and plays an important structural role during T4 phage replication. It also has been used extensively to stabilize and mark regions of ssDNA for electron microscopic examination of intracellular DNA structures. Recently, it has been shown to improve restriction enzyme digestion , improve the yield and efficiency of reverse transcription reactions during RT-PCR, enhance T4 DNA polymerase activity, as well as increase the yield of PCR products.

Concentration

5mg/ml

Features

1. Stabilization and marking of ssDNA structures.
2. Increase yield and processivity of RT during RT-PCR.
3. Increase yield and specificity of PCR products from soil samples.

Application

RT-PCR & cDNA Synthesis

Storage Buffer

20 mM Tris-HCl ,100 mM NaCl ,0.5 mM DTT ,1 mM EDTA ,50% Glycerol ,pH 8.0 at 25°C.

Package

1ml