



Recombinant Escherichia phage T7 Single-stranded DNA-binding protein (2.5)

Product Code	CSB-YP366021EEB
Relevance	Single-stranded DNA-binding protein that eliminates secondary structure in long ssDNA formed on the lagging strand of the replication fork. Stimulates DNA polymerase activity and increases the efficiency of RNA primer synthesis by interacting with the DNA polymerase and the helicase/primase protein gp4. Disrupts loops, hairpins and other secondary structures present on ssDNA to reduce and eliminate pausing of viral DNA polymerase at specific sites during elongation.
Abbreviation	Recombinant Escherichia phage T7 2.5 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P03696
Product Type	Recombinant Proteins
Immunogen Species	Escherichia phage T7 (Bacteriophage T7)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAKKIFTSALGTAEPYAYIAKPDYGNEERGFGNPRGVYKVDLTIPNKDPRCQR MVDEIVKCHEEAYAAAVEEYEANPPAVARGKKPLKPYEGDMPFFDNGDGT FKFKCYASFQDKKTKETKHINLVVDSKGGKMMEDVPIIGGGSKLKVYSLVPYK WNTAVGASVKLQLESVMLVELATFGGGEDDWADEVEENGYVASGSAKASKP RDEESWDEDDEESEEADEDGDF
Source	Yeast
Target Names	2.5
Protein Names	Recommended name: Helix-destabilizing protein Alternative name(s): Single-stranded DNA-binding protein Short name= SSB protein
Expression Region	1-232aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	27.7kDa
Protein Length	Full Length
Image	

