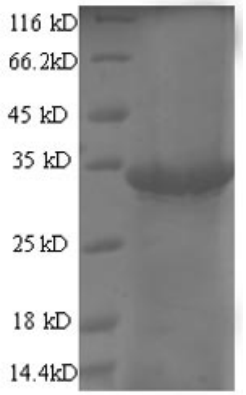
Recombinant Escherichia phage T7 Single-stranded DNA-binding protein (2.5)

Product Code	CSB-EP366021EEB
Relevance	Helix-destabilizing protein, which is expressed in the late stage of lytic development, binds preferentially to single-stranded DNA. It is implicated in DNA replication, recombination, and repair.
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
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Recombinant Proteins
Immunogen Species	Enterobacteria phage T7 (Bacteriophage T7)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAKKIFTSALGTAEPYAYIAKPDYGNEERGFGNPRGVYKVDLTIPNKDPRCQR MVDEIVKCHEEAYAAAVEEYEANPPAVARGKKPLKPYEGDMPFFDNGDGTTT FKFKCYASFQDKKTKETKHINLVVVDSKGKKMEDVPIIGGGSKLKVKYSLVPYK WNTAVGASVKLQLESVMLVELATFGGGEDDWADEVEENGYVASGSAKASKP RDEESWDEDDEESEEADEDGDF
Lead Time	3-7 business days
Source	E.coli
Gene Names	2.5
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-SUMO-tagged
Mol. Weight	41.9kDa
Protein Description	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Constructing a plasmid encoding the Enterobacteria phage T3 (Bacteriophage T3) SSB protein protein (1-232aa) is the initial step in the general approach to express the recombinant Enterobacteria phage T3 (Bacteriophage T3) SSB protein protein. The plasmid is then transformed into e.coli cells. Positive e.coli cells are selected and cultured, protein expression is induced, and cells are lysed. The protein is fused with a N-terminal 6xHis-SUMO tag. The resulting recombinant Enterobacteria phage T3 (Bacteriophage T3) SSB protein protein is then purified through affinity purification, and SDS-PAGE analysis is carried out to verify the presence and assess the purity of the protein. Its purity exceeds 90%.