
Product Data Sheet

Product Name: SSBP1
 Cat. No.: GP24703
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Mt-SSB; mtSSB; SOSS-B1; SSBP; PWP1-interacting protein 17; Single-stranded DNA-binding protein; mitochondrial.		
Amino Acid Sequence	MEEKVGNLKP NMESVNVTVR VLEASEARQI QTKNGVRTIS EAIVGDETGR VKLTLWGKHA GSIKEGQVVK IENAWTTAFK GQVQLNAGSK TKIAEASEDG FPESQIPEN TPTAPQQMRG GGRGFRGGGR RYGRRGGRRQ ENEEGEEE		
Formulation	SSBP1 is a 0.2µm filtered concentrated solution which contains 20mM Tris, pH 7.4, 200mM NaCl, 1mM EDTA, 0.5mM DTT, and 50% Glycerol.		

Introduction

Single-Stranded DNA Binding Protein 1 (SSBP) participates in mitochondrial biogenesis. SSBP binds preferentially and cooperatively to ss-DNA. The SSBP protein is involved in mitochondrial DNA replication and associates with mitochondrial DNA.

Stability

SSBP1 although stable at room temperature for 3 weeks, should be stored at 4°C .For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Background

Recombinant *Sulfolobus solfataricus* Single-Stranded DNA Binding Protein 1 produced in *E.coli* cells is a non-glycosylated, homodimeric protein containing 148 amino acids and having a molecular mass of 16.1kDa. The SSBP1 is purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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