

# Recombinant human SSBP1 protein

Catalog Number: ATGP2028

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

17-148aa

### UniProt No.

Q04837

### NCBI Accession No.

NP\_003134

### Alternative Names

Single-stranded DNA-binding protein mitochondrial, Single-stranded DNA-binding protein, mitochondrial, Mt-SSB, mtSSB, SOSS-B1, SSBP

## PRODUCT SPECIFICATION

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### Molecular Weight

17.6 kDa (155aa) confirmed by MALDI-TOF

### Concentration

0.5mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

SSBP is a housekeeping gene involved in mitochondrial biogenesis. This protein binds preferentially and cooperatively to ss-DNA and is probably involved in mitochondrial DNA replication and associates with mitochondrial DNA. Recombinant human SSBP1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>ESETTTS LVLERSLNRV HLLGRVGQDP VLRQVEGKNP VTIFSLATNE  
MWRSGDSEVY QLGDVSQKTT WHRISVFRPG LRDVAYQYVK KGSRIYLEGK IDYGEYMDKN NVRRQATTII ADNIIFLSDQ  
TKEKE

## General References

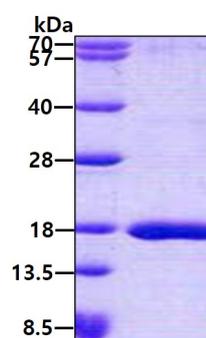
Muller-Hocker J, et al. (1993). Appl Immunohistochem Mol Morphol. 9(3):276-80.

Tiranti V, Rocchi M, et al. (1993). Gene. 126(2):219-25.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.