Recombinant Human SSBP1, His-tagged

Cat. No. SSBP1-7584H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SSBP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	17-148aa
Antigen 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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT.
Molecular Mass	17 kDa (155aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSESETTTS LVLERSLNRV HLLGRVGQDP VLRQVEGKNP VTIFSLATNE MWRSGDSEVY QLGDVSQKTT WHRISVFRPG LRDVAYQYVK KGSRIYLEGK IDYGEYMDKN NVRRQATTII ADNIIFLSDQ TKEKE
Purity	>95% as determined by SDS - PAGE
Applications	SDS-PAGE

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Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml

GENE INFORMATION

Gene Name	SSBP1 single-stranded DNA binding protein 1 [Homo sapiens]
Official Symbol	SSBP1
Synonyms	SSBP1; single-stranded DNA binding protein 1; single stranded DNA binding protein; single-stranded DNA-binding protein, mitochondrial; SSBP; PWP1-interacting protein 17; mtSSB; Mt-SSB; SOSS-B1;
Gene ID	6742
mRNA Refseq	NM_001256510
Protein Refseq	NP_001243439
MIM	600439
UniProt ID	Q04837
Chromosome Location	7q34
Pathway	DNA replication, organism-specific biosystem; DNA replication, conserved biosystem; Homologous recombination, organism-specific biosystem; Homologous recombination, conserved biosystem; Mismatch repair, organism-specific biosystem;

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	Mismatch repair, conserved biosystem;
Function	DNA binding; chromatin binding; single-stranded DNA binding;

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