

#### OriGene Technologies, Inc.

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# Product datasheet for TP315106L

## SSBP1 (NM\_003143) Human Recombinant Protein

### **Product data:**

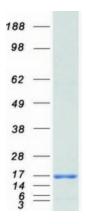
Description:Recombinant protein of human single-stranded DNA binding protein 1 (SSBP1), 1 mgSpecies:HumanExpression Host:HEK293TExpression cDNA Cloop or AA Sequence:ReC215106 representing NM_003143 Red=Cloning site Green=Tags(s)MFRRPVLQVLRQFVRHESETTTSLVLERSLNRVHLLGRVGQDPVLRQVEGKNPVTIFSLATNEMWRSGDS EVYQLGDVSQKTTWHRISVFRPGLRDVAYQYVKKGSRIYLEGKIDYGEYMDKNNVRRQATTIIADNIIFL SDQTKEKETag:CMyc/DDKFredicted MW:15.1 kDaConcentration:20% as determined by microplate BCA methodPurity:20% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCl 100 mM glycine, pH 7.3, 10% glycerolRreparation:For etsting in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Storage 4.80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP.003134 AdDIUSLocus ID:0.40837_AdDIUSDuring:0.40837_AdDIUS	Product Type:	Recombinant Proteins
Expression Host:HEX293TExpression CDNA CloopRC215106 representing NM_003143 Red=Cloning site Green=Tags(s)Red=Cloning site GreenRed=Cloning site GreenRed=Cloning site GreenRed=Cloning site GreenRed=Cloning site GreenRecombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Rote:Recombinant protein was captured through anti-DDK affinity colume protent green captured through capt	Description:	Recombinant protein of human single-stranded DNA binding protein 1 (SSBP1), 1 mg
Presession cDNA GlowR2C15106 representing NM_003143 Red=Cloning site Green=Tags(s)Red=Cloning site Green=Tags(s)MFRRPVLQVLRQFVRHESETTTSLVLERSLNRVHLLGRVGQDPVLRQVEGKNPVTIFSLATNEMWRSGDS VVQLGDVSQKTTWHRISVFRPGLRDVAYQYVKKGSRIYLEGKIDYGEYMDKNNVRRQATTIIADNIIFL SDQTKEKETag:NFRRPVLQVLRQFVRHESETTSLVLERSLNRVHLLGRVGQDPVLRQVEGKNPVTIFSLATNEMWRSGDS VVQLGDVSQKTTWHRISVFRPGLRDVAYQYVKKGSRIYLEGKIDYGEYMDKNNVRRQATTIIADNIIFL SDQTKEKETag:TRTRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:5.1 kDaConcentration:0.05 µg/µL as determined by microplate BCA methodPurity:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPurity:S0% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.05 µg/µL as determined by SDS-PAGE and Coomassie blue stainingPurity:Som Tris-HCI, 100 mM glycine, pH 7.3, 10% glycerolRoren:Som Son schurt ortein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Sor testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Storage:Storage:Storage Contentions from the date of receipt of the product under proper storage and handing conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP.003134Locus ID:Q4837, AdD1U3	Species:	Human
or AA Sequence:Red=Cloning site Green=Tags(s)WFRRPVLQVLRQFVRHESETTTSLVLERSLNRVHLLGRVGQDPVLRQVEGKNPVTIFSLATNEMWRSGDS EVVQLGDVSQKTTWHRISVFRPGLRDVAYQYVKKGSRIYLEGKIDYGEYMDKNNVRRQATTIJADNIIFL SDQTKEKETag:CMC/DKPredicted MW:15.1 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Stora et -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:MP 003134Locus ID:Q04837, A4D1U3	Expression Host:	HEK293T
EVYQLGDVSQKTTWHRISVFRPGLRDVAYQYVKKGSRIYLEGKIDYGEYMDKNNVRRQATTIIADNIIFL SDQTKEKETATRPLEQKLISEEDLAANDILDYKDDDDKVTag:C-Myc/DDKPredicted MW:15.1 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:0.51 mJ ris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:Store at -80°C.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:Q04837,A4D1U3	-	
Tag:C-Myc/DDKPredicted MW:15.1 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:>80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at-80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:G04837, A4D1U3		EVYQLGDVSQKTTWHRISVFRPGLRDVAYQYVKKGSRIYLEGKIDYGEYMDKNNVRRQATTIIADNIIFL
Predicted MW:15.1 kDaConcentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:04837, A4D1U3		TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Concentration:>0.05 µg/µL as determined by microplate BCA methodPurity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:G442UniProt ID:Qu837, A4D1U3	Tag:	C-Myc/DDK
Purity:> 80% as determined by SDS-PAGE and Coomassie blue stainingBuffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:004837, A4D1U3	Predicted MW:	15.1 kDa
Buffer:25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerolPreparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:6742UniProt ID:Q04837, A4D1U3	Concentration:	>0.05 µg/µL as determined by microplate BCA method
Preparation:Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:G742UniProt ID:Q04837, A4D1U3	Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Note:For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.Storage:Store at -80°C.Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:6742UniProt ID:Q04837, A4D1U3	Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
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Stability:Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:6742UniProt ID:Q04837, A4D1U3	Note:	
handling conditions. Avoid repeated freeze-thaw cycles.RefSeq:NP 003134Locus ID:6742UniProt ID:Q04837, A4D1U3	Storage:	Store at -80°C.
Locus ID: 6742   UniProt ID: Q04837, A4D1U3	Stability:	
<b>UniProt ID:</b> <u>Q04837</u> , <u>A4D1U3</u>	RefSeq:	<u>NP 003134</u>
	Locus ID:	6742
	UniProt ID:	<u>Q04837, A4D1U3</u>
Retseq Size: 628	RefSeq Size:	628



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	SSBP1 (NM_003143) Human Recombinant Protein – TP315106L
Cytogenetics:	7q34
RefSeq ORF:	444
Synonyms:	Mt-SSB; mtSSB; SOSS-B1; SSBP
Summary:	SSBP1 is a housekeeping gene involved in mitochondrial biogenesis (Tiranti et al., 1995 [PubMed 7789991]). It is also a subunit of a single-stranded DNA (ssDNA)-binding complex involved in the maintenance of genome stability (Huang et al., 2009) [PubMed 19683501]. [supplied by OMIM, Feb 2010]
Protein Families	Druggable Genome
Protein Pathway	s: DNA replication, Homologous recombination, Mismatch repair

## **Product images:**



Coomassie blue staining of purified SSBP1 protein (Cat# [TP315106]). The protein was produced from HEK293T cells transfected with SSBP1 cDNA clone (Cat# [RC215106]) using MegaTran 2.0 (Cat# [TT210002]).

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