

## Product datasheet for **TP315106L**

### SSBP1 (NM\_003143) Human Recombinant Protein

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human single-stranded DNA binding protein 1 (SSBP1), 1 mg  |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC215106 representing NM_003143<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)  |
|                                       | MFRRPVLQVLRQFVRHESETTSLVRLERSLNRVHLLGRVGDVPLRQVEGKNPVTIFSLATNEMWRSGDS<br>EYVQLGDVVSQKTTWHRISVFRPGLRDVAYQYVKKGSRIYLEGKIDYGEYMDKNNVRRQATTIADNIIFL<br>SDQTKEKE |
|                                       | <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>  |
| Tag:                                  | C-Myc/DDK   |
| Predicted MW:                         | 15.1 kDa  |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method  |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  |
| 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:                               | <a href="#">NP_003134</a>   |
| Locus ID:                             | 6742  |
| UniProt ID:                           | <a href="#">Q04837</a> , <a href="#">A4D1U3</a>   |
| RefSeq Size:                          | 628   |



[View online »](#)

Cytogenetics: 7q34

RefSeq ORF: 444

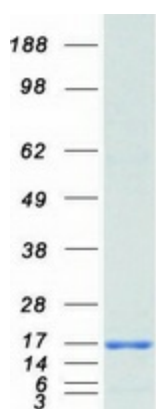
Synonyms: Mt-SSB; mtSSB; SOSS-B1; SSBP

**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 Pathways:** 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]).