



碧云天生物技术/Beyotime Biotechnology
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Recombinant SSB

产品编号	产品名称	包装
P7415-100µg	Recombinant SSB	100µg
P7415-500µg	Recombinant SSB	500µg
P7415-1mg	Recombinant SSB	1mg

产品简介:

Species	Gene ID	Accession	Source	Length	MW	Tag
—	1263584	P18310	<i>E. coli</i>	148aa	16.1kDa	—

About this protein	
Name	Recombinant SSB (Recombinant Single-stranded DNA Binding Protein; rSSB); 重组单链DNA结合蛋白
Synonyms	mitochondrial; MtSSB; single-stranded DNA binding protein 1
Purity	>95% by SDS-PAGE and HPLC analyses.
Biological Activity	Data Not Available.
Physical Appearance	Sterile liquid.
Formulation	0.2µm filtered concentrated solution in 20mM Tris, pH7.4, 200mM NaCl, 50% Glycerol, 1mM EDTA, 0.5mM DTT.
Endotoxin	Less than 0.1EU/µg of rSSB as determined by LAL method.
Reconstitution	N/A
Category	Others
Background	Single-stranded DNA-binding protein, or SSB, binds to single-stranded regions of DNA to prevent premature annealing, to protect the single-stranded DNA from being digested by nucleases, and to remove secondary structure from the DNA to allow other enzymes to function effectively upon it. In molecular biology, SSB protein domain in bacteria are important in its function of maintaining DNA metabolism, more specifically DNA replication, repair and recombination. SSB proteins have been identified in organisms from viruses to humans. The only organisms known to lack them are thermoproteales, a group of extremophile archaea, where they have been displaced by the protein ThermoDBP. While many phage and viral SSBs function as monomers and eukaryotes encode heterotrimeric RPA (Replication Protein A), the best characterized SSB is that from the bacteria <i>E. coli</i> which, like most bacterial SSBs exists as a tetramer.
Amino Acid Sequence	MEEKVGNLKP NMESVNVTVR VLEASERQI QTKNGVRTIS EAIVGDETGR VKLTLWGKHA GSIKEGQVVK IENAWTTAFK GQVQLNAGSK TKIAEASEDG FPESQIPEN TPTAPQQMRG GGRGFRGGGR RYGRRGRRQ ENEEGEEE

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P7415-1mg	Recombinant SSB	1mg
—	说明书	1份

保存条件:

-20°C或更低温度保存, 至少一年有效。由于蛋白的每次冻融均会引起部分失活, 所以首次配制成相应浓度的储存液后(请根据产品简介中Reconstitution一栏的信息配制储存液), 须分装后-20°C或更低温度冻存, 以避免反复冻融。

注意事项:

➢ 由于有些塑料管壁对某些蛋白有较强的吸附作用, 溶液中的蛋白很容易粘附在管壁上, 并且粘附后的蛋白很难与管壁分离。而载体蛋白(Carrier protein, 如0.1% BSA等)的主要作用是预先封闭塑料管壁上的蛋白结合位点, 使细胞因子或重组蛋白不会

粘附于管壁。所以一定要使用产品简介中Reconstitution一栏的信息配制储存液。

- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明：

1. 收到产品后请立即按照说明书推荐的条件保存。除非特别注明，碧云天相关产品均为冻干粉，由于微量的蛋白在冻干过程中沉积在管内，形成很薄或不可见的蛋白层，所以在打开管盖前，我们建议在离心机中约8,000-12,000g离心10-30秒，使附着在管盖或管壁上的蛋白聚集于管底。
2. 请根据实验目的并按照产品简介中Reconstitution一栏中的信息配制储存液。大多数细胞因子或重组蛋白的冻干粉是很容易溶解的，一般用移液枪的枪头轻吹几下或者轻轻摇晃瓶子，即可使细胞因子或重组蛋白完全溶解。请勿用vortex剧烈振荡，以免蛋白变性而失活。
3. 具体的最佳工作浓度请自行参考相关文献，或者根据实验目的，以及特定细胞和动物，通过实验进行摸索和优化。

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