



碧云天生物技术/Beyotime Biotechnology
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Recombinant Streptavidin

产品编号	产品名称	包装
P5084-1mg	Recombinant Streptavidin	1mg
P5084-5mg	Recombinant Streptavidin	5mg
P5084-20mg	Recombinant Streptavidin	20mg
P5084-100mg	Recombinant Streptavidin	100mg

产品简介:

Species	Gene ID	Accession	Source	Length	MW	Tag
<i>Streptomyces avidinii</i>	X03591	P22629	<i>E. coli</i>	128aa	52kDa (tetramer)	—

About this protein	
Name	Recombinant Streptavidin (Recombinant Streptavidin; rStreptavidin); 重组链霉亲和素
Synonyms	N/A
Purity	>98% by SDS-PAGE and HPLC analyses
Biological Activity	>17U/mg (one unit binds 1µg D-biotin)
A282	3.1 (0.1% solution)
Concentration	See label
Physical Appearance	Sterile colorless liquid
Formulation	A 0.2µm filtered concentrated sterile solution in ultrapure water..
Endotoxin	Less than 0.1EU/µg of rStreptavidin as determined by LAL method.
Reconstitution	—
Category	Antibody Purification
Background	Streptavidin is a tetrameric protein composed of identical subunits. Each subunit binds one biotin molecule with a KD of $\sim 1 \times 10^{-15}$ M. The preparation contains an N- and C-terminal shortened variant (core streptavidin) with improved properties concerning homogeneity, solubility, resistance towards proteolytic degradation and accessibility of the biotin binding pocket as compared to native streptavidin. The molecular mass for the native protein is ~ 52 kDa per tetramer, but under extreme denaturing conditions, giving a major band at about ~ 13 kDa. Streptavidin has four binding sites for biotin, as does avidin. Both have been used extensively as probes in immunochemical systems, conjugated to antibodies, enzymes, or fluorochromes. However, avidin is highly basic (pI 10.5), compared to streptavidin (pI 5-6). Avidin has a slightly higher binding capacity for biotin than streptavidin does, but it has glycosylated side chains which give higher backgrounds in blotting techniques than does streptavidin, which is not a glycoprotein. Streptavidin is more resistant than avidin to dissociation into subunits by guanidinium chloride.

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—	说明书	1份

保存条件:

-20°C或更低温度保存, 至少两年有效。由于蛋白的每次冻融均会引起部分失活, 首次使用时建议分装后-20°C或更低温度冻

存，以避免反复冻融。

注意事项：

- 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。首次使用时建议适当分装后保存，以避免过多的反复冻融而影响蛋白活性。
2. 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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