



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 | <p>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 as ~ 52kDa per tetramer, but under extreme denaturing conditions, giving a major band at about ~ 13kDa. 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.</p> |

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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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