

本公司提供的电子版本说明书仅供参考，实验请以收到的纸质手册为准。

His-Streptavidin, 25-183aa, Streptomyces avidinii, His tagged, Recombinant, E.coli

产品货号: TP02456

第三版

**别名:**

**描述:**Streptavidin, a tetrameric protein secreted by Streptomyces avidinii, binds tightly to a small growth factor biotin. It finds wide use in molecular biology through its extraordinarily strong affinity for the vitamin biotin; the dissociation constant (Kd) of the biotin-streptavidin complex is on the order of ~10-15 mol/L. The high affinity recognition of biotin and biotinylated molecules has made streptavidin one of the most important components in diagnostics and laboratory kits.

**配方:**Liquid. In 20 mM Tris-HCl buffer (pH 7.5)

**分子量:**17 kDa (167 aa) , confirmed by MALDI-TOF

**序列:**

MVHHHHHHHDPKDSKAQVSAEAGITGTWYNQLGSTFIVTAGADGALTGTYESAVGNAESRYVLTGRYDSAPATDGSG  
TALGWTVAWKNNYRNAHSATTWSGQYVGGAEARINTQWLLTSGTTEANAWKSTLVGHDTFTKVKPSAASIDAACKAG  
VNNGNPLDAVQQ

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.