

Recombinant Streptomyces avidinii Streptavidin

Cat. No. Streptavidin-2938S **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Streptomyces avidinii was first isolated from the broth culture of Streptomyces avidinii as a biotin binding protein. Similar to Avidin, streptavidin consists of four identical subunits in a tetramer, each of which can bind biotin, that is, one molecule of streptavidin can bind four molecules of biotin, and the binding force is very high (Kd~10-15). Compared with avidin, streptavidin has a low isoelectric point and does not contain a sugar group, so its non-specific binding is much lower than that of avidin when used in antigen-antibody detection systems.

Species Streptomyces avidinii

Source E.coli

Tag Non

Bio-activity ≥ 12.5 U/mg (1U is bound to 1 μ g biotin)

Molecular Mass 66.4kDa (16.6kDa/ subunit)

Purity $\geq 95\%$ (SDS-PAGE)

Storage Freeze-dried powder -20 $\pm$ 5°C, after dissolution to avoid repeated freeze-thaw.

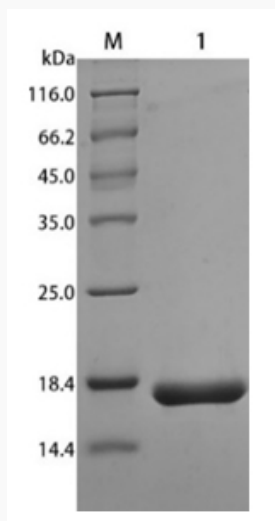
Reconstitution Dissolved in distilled water ≥ 10 mg/mL.

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SDS-PAGE



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