

Recombinant *Streptomyces avidinii* Streptavidin(Cys)

Cat. No. Streptavidin-2940S **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 ≥16.0U/mg (1U is bound to 1μg biotin)

Molecular Mass 54kDa(13.5kDa/ subunit)

Purity ≥95%(SDS-PAGE)

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

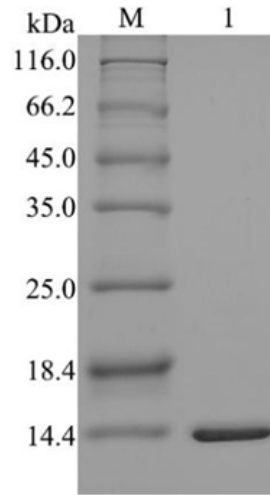
Reconstitution Dissolved in distilled water ≥10mg/mL.

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