

## 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<sup>-15</sup>). 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**      ≥12.5U/mg (1U is bound to 1μg biotin)

**Molecular Mass**      66.4kDa (16.6kDa/ subunit)

**Purity**      ≥95%(SDS-PAGE)

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

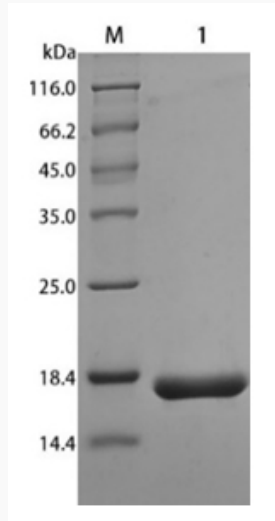
**Reconstitution**      Dissolved in distilled water ≥10mg/mL.

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**SDS-PAGE**



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